November 17, 2023

Nelson Velez
New Mexico Oil Conservation Division
5200 Oakland Avenue, N.E. Suite 100
Albuquerque, New Mexico 87113

Re: **Buckeye Compressor Station Site**

2023 Annual Groundwater Monitoring Report
Abatement Plan AP-104, Incident nAUTOFGP000135
Lea County, New Mexico

Dear Mr. Velez,

Please find enclosed the following report:

Buckeye Compressor Station Site - 2023 Annual Groundwater Monitoring Report, Section 36 -Township 17 South - Range 34 East, Lea County New Mexico.

The report was prepared by Kane Environmental Engineering, Inc. {Kane}, on behalf of Morning Star Partners {MSP} to document on-going groundwater monitoring and remediation activities at the site.

Should you have any questions or require additional information please contact Alan Kane, P.E. at {281} 639-9590, or myself at {817} 334-8098, or you can reach me via email at dguillotte@mspartners.com.

Respectfully,

Dan Guillotte
Manager Environmental Health and Safety

Encl. Buckeye Compressor Station Site - 2023 Annual Groundwater Monitoring Report

Morning Star Partners

2023 Annual Groundwater Monitoring Report

Buckeye Compressor Station
Abatement Plan AP-104
Incident NAUTOFGP000135
Lea County, New Mexico

November 2023

REVIEWED
By Mike Buchanan at 2:32 pm, Mar 22, 2024

2023 Annual Groundwater Monitoring Report: Content is Satisfactory
1. Continue LNAPL recovery for both systems as regularly scheduled.
2. Continue to run SVE system and conduct air sampling on a quarterly basis using 8015B EPA method.
3. Continue to conduct groundwater sampling on a semiannual basis as prescribed.
4. Submit the next annual report for groundwater by April 1, 2025. If an extension is required to submit report, please notify and submit request to NMOCD.

2023 Annual Groundwater Monitoring Report

Buckeye Compressor Station
Abatement Plan AP-104, Incident nAUTOFGP000135
Lea County, New Mexico

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Alan J. Kane, P.E.

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1.0 Introduction

Kane Environmental Engineering, Inc. (Kane) has prepared this report, on behalf of Morning Star Partners (MSP), summarizing groundwater monitoring activities conducted at the Buckeye Compressor Station (site). Data presented in this report was collected during the annual groundwater monitoring events conducted in October 2023. The site is under Abatement Plan (AP) 104, Incident NAUTOFGP000135 of the New Mexico Oil Conservation Division (NMOCD).

The Buckeye Compressor Station is located immediately north of Texas Camp Road, approximately one mile southwest of Buckeye, Lea County, New Mexico. The site location is in Section 36, Township 17 South, Range 34 East at geographic coordinates: 32.784532, -103.508311.

A Site Location Map is presented as **Figure 1**. A Proposed Groundwater Monitoring, LNAPL Recovery and O&M Reduction Work Plan was submitted to NMOCD in August 2022 and presented in **Appendix A.**

Activities at the site have been conducted in accordance with the provisions approved in the Work Plan.

2.0 Groundwater Monitoring Results

Kane performed the annual groundwater sampling event on October 23 and October 24, 2023. Field monitoring methodologies utilized during groundwater monitoring and sampling are detailed in **Appendix** C.

Wells TW-11 and TW-13, associated with the adjacent VGSAU #58 site located south of Texas Camp Road (**Figure 1**), are included in the groundwater monitoring program to monitor dissolved-phase impacts to the south of the site.

2.1 Groundwater Gauging Data

Groundwater and LNAPL measurements collected during the annual monitoring event indicated:

- Groundwater elevations ranged from:
  - 3852.22 feet above mean sea level (ft. MSL) (MW-22) to 3857.70 ft. MSL (MW-25) during the October 2023 event.
- The groundwater elevations during the 2023 period are consistent with historical levels, with groundwater flow generally to the east.
- The calculated gradient was 0.0023 ft/ft for the October 2023 gauging event which is consistent, but slightly shallower, than the historical groundwater values.

Potentiometric elevation data for the sampling even is presented in Table 1. The groundwater potentiometric surface map for June 2022 and October 2023 are presented in Figure 3. A cumulative summary of groundwater potentiometric elevation data is presented in Appendix E.

2.2 LNAPL Occurrence and Recovery

The active LNAPL recovery pumps were installed in wells MW-9 and EW-1, a soil vapor extraction system (SVE) system was installed for monitoring wells MW-2, MW-3 and MW-8. LNAPL was observed in well MW-19. An interface probe was used to measure the LNAPL thickness and the results are provided below:

- 3.32 feet in MW-19

2.2.1 LNAPL Recovery

The active LNAPL recovery system includes the installation of two (2) solar powered pumps and dedicated product storage tanks. The system became operational in July 2023. During this sampling event the product recovery volumes were recorded on October 26, 2023. Approximately 24 gallons of LNAP was recovered from MW-9 and 32 gallons was recovered from EW-1 for a total of 56 gallons in three months. While onsite Kane personnel used the interface probe to measure product levels and water depths and adjusted the pumps to maximize recovery rates. The control board for the system at MW-9 was found inoperable. The controller was removed and sent for repairs. The SVE system commenced operation on October 25, 2023. The system was installed on wells MW-2, MW-3 and MW-8.

2.3 Groundwater Analytical Results

Groundwater was sampled from all accessible wells at the site except those with active LNAPL recovery and SVE systems or wells containing LNAPL. Wells TW-11 and TW-13 of the adjacent former VGSAU #58 site were also sampled. Monitoring well MW-10 has been destroyed during site activities. MW-23 was not sampled due to being unable to locate this well and is assumed to have been destroyed. As previously reported, MW-11 was destroyed during pipeline replacement activities in late 2012.

Groundwater analytical results for benzene, toluene, ethylbenzene, xylenes (BTEX), TPH as gasoline range organic (GRO) and as diesel range organics (DRO) were compared to the NMWQCC Groundwater Standards.

Results of the monitoring events in reference to NMWQCC standards are summarized below. NMWQCC standards do not include TPH. The analytical results are further summarized below.

2.3.1 Benzene

- Benzene exceeded the NMWQCC standard of 0.005 mg/L in 3 of the wells sampled (MW-1, MW-4, and MW-17) at concentrations ranging from 0.0219 mg/L (MW-1) to 24.7 mg/L (MW-4) during the sampling event.

2.3.2 TPH

- TPH was detected in 11 of the wells sampled at concentrations ranging from 0.0356 mg/L (MW-5) to 38.162 mg/L (MW-4).

A summary of the groundwater sample analytical results is presented in **Table 2**. The distribution of constituents and approximate extent of the hydrocarbon plume for the events is displayed on **Figure 4**. The extent of the dissolved phase hydrocarbon plume is fully delineated. A summary of historical groundwater analytical results is provided in **Appendix F**. Charts showing trends of historical concentrations of benzene through time are provided in **Appendix H**. Copies of the certified analytical reports and chain-of-custody documentation from Pace Analytical is provided in **Appendix I**.

3.0 Summary

Findings of groundwater monitoring events conducted at the site are summarized below:

- All accessible site wells were gauged and sampled, including the 2 wells associated with the former VGSA U #58 site to the south.
- Potentiometric surface conditions are consistent with historical results, with groundwater flow generally to the east and a relatively flat hydraulic gradient of 0.003 ft/ft.
- LNAPL was present in one well (MW-19) not undergoing with active LNAPL recovery or SVE remediation.
- The LNAPL plumes are delineated and appear to be stable with no evidence of migration.
- Benzene exceeded the 0.005 mg/L standard in five wells (MW-1, MW-2, MW-4, MW-6 and W-17) during this sampling event.

4.0 2023 Activities

The following actions have been implemented:

- Two solar powered LNAPL recovery pumps were installed in wells MW-9 and EW-1.

Weekly LNAPL and groundwater recovery volumes were recorded. Recovered product and associated groundwater will be stored in dedicated storage tanks. Overall system efficiency will be evaluated on a monthly basis and adjustments made as needed.

- A semiannual groundwater sampling event is scheduled to be performed during the fourth quarter of 2022.

Annual Groundwater Monitoring

Groundwater samples were collected from the 17 monitoring wells that are not currently part of the LNAPL Recovery System, Soil Vapor Extraction System or previously excluded due to damage, loss or duplicative data finding. Groundwater monitoring depths were surveyed on October 23rd, along with the deployment of 1L-Hydra Sleeve No- Purge Ground Water Samplers. Each of the 17 samples were collected on October 24th, and transported to Midland, Texas under chain of custody to Pace Analytical. The annual monitoring report will be completed upon receipt of the laboratory analysis and supplied to the OCD by November 24th, as indicated in the October 17th, notification letter.

LNAPL Recovery Systems

Two LNAPL recovery systems were initially installed on the week of July 17, 2023. Monitoring and adjustments were scheduled to be made during the August SVE system initiation and groundwater monitoring event, that was ultimately delayed. During the week of July 17th, each system recovered approximately 24 gallons of LNAPL. This approximation was made based on the recovery of approximately 3 inches of LNAPL in each of the 40" X 48" storage tanks.

During the week of October 23rd, wells EW-1 and MW-9 both LNAPL and water levels were measured with an interface probe. A layer of approximately 3foot of LNAPL were observed in each well. Recovery pump depths for each well was adjusted accordingly to maximize LNAPL recovery rates. A fault code was found on the recovery system at well EW-1. The problem was solved and approximately 8 gallons of LNAPL were recovered. Well MW-9 also has a system failure. However, after troubleshooting with assistance from the manufacturer, the LNAPL recovery system issue was determined to be with the control panel. The control unit was removed and returned to the manufacture for repair or replacement. An LNAPL recovery update will be included with the required SVE system quarterly report to provide recovery totals and a status update for both systems.

Soil Vapor Extraction System

The approved Soil Vapor Extraction (SVE) system began operations on October 25th, at 8:45am with extracted samples collected from the system and each of the three Vapor Extraction Points (VEP), MW-2, MW-3 and MW-8. Sample collection was completed from 15-30 minutes and approximately 8-10 hours after startup as required. The extracted samples were transported to Pace Analytical under chain of custody on October 26th.

Handheld analyzer data collection was initiated for each (VEP) beginning on October 25th and will continue to be collected at the required intervals prescribed by the minimum recordkeeping timeline within the approved groundwater abatement plan. All analytical data and records will be provided in the required quarterly reports. The first quarterly report is anticipated to be supplied to the OCD no later than 60-days after the final date of the quarter (January 25, 2023) or by March 25, 2024.

Tables

TABLE 1
2021 / 2022 / 2023 POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION - LEA COUNTY, NEW MEXICO

Well	Well Diameter (inches)	Screen Interval (bgs[3])	TOC Elevation	Date	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL	LNAPL Thickness	Product Removed	Corrected Groundwater Elevation (ft above MSL[2])
		ft toc	*ft msl*		*ft toc*	*ft toc*	*ft toc*	*ft*	*gallons*	*ft msl*
MW-1	2"	122.47 142.09	3990.85	06/09/21	147.19	134.88				3855.97
				11/10/21	152.21	134.77				3856.08
				06/30/22	152.10	135.49				3855.36
				10/23/23		136.44				3854.41
MW-2	2"	123.27 142.89	3991.08	06/09/21	142.71	135.30				3855.78
				11/10/21	142.65	135.19				3855.89
				06/30/22	142.07	135.91				3855.17
				10/23/23		Not Monitored				
MW-3	2"	123.72 143.34	3991.75	06/09/21	137.35	ND	135.35	2.00		
				07/20/21	137.20	ND	135.17	2.30		
				09/14/21	137.21	ND	135.15	2.06	1.00	
				10/21/21	137.35	ND	135.57	1.78	0.75	
				11/10/21		137.24	135.35	1.89	1.00	3854.51
				12/22/21		137.27	135.50	1.77	1.00	3854.48
				06/30/22	137.33	138.62	135.90	2.72	0.08	3853.13
				10/23/23		Not Monitored				
MW-4	2"	122.47 142.09	3991.57	06/09/21	143.47	136.46				3855.11
				11/10/21	143.55	136.43				3855.14
				06/30/22	143.55	137.49				3854.08
				10/23/23		138.30				3853.27
MW-5	2"	125.97 142.59	3992.12	06/09/21	144.97	136.46				3855.66
				11/10/21	145.02	136.59				3855.53
				06/30/22	145.10	137.37				3854.75
				10/23/23		138.35				3853.77
MW-6	2"	122.37 141.99	3991.94	06/09/21	143.44	136.11				3855.83
				11/10/21	136.06	134.06				3857.88
				06/30/22	136.12	136.78				3855.16
				10/23/23		137.82				3854.12
MW-7	2"	122.17 141.79	3992.89	06/09/21	141.87	136.70				3856.19
				11/10/21	141.83	136.75				3856.14
				06/30/22	141.83	137.24				3855.65
				10/23/23		138.39				3854.50
MW-8	2"	123.57 143.19	3991.27	06/09/21		136.92	134.85	2.07		3855.91
				07/20/21		136.15	134.74	1.41		3856.18
				09/14/21		136.34	134.69	1.65	1.00	3856.17
				10/21/21		135.38	134.82	0.56	1.50	3856.31
				11/10/21		136.84	134.85	1.99	1.00	3855.93
				12/22/21		136.88	135.12	1.76	1.00	3855.71
				06/30/22		138.12	135.39	2.73	0.75	3853.15
				10/23/23		Not Monitored				
MW-9	2"	123 145	3990.40	06/09/21		136.91	134.23	2.68		3855.51
				07/20/21		136.25	134.08	2.17		3855.78
				09/14/21		136.28	134.04	2.24	4.00	3855.80
				10/21/21		136.35	134.20	2.15	11.5	3855.67
				11/10/21		136.55	134.23	2.32	8.00	3855.59
				12/22/21		137.00	134.41	2.59	7.00	3855.35
				06/30/22		138.03	134.88	3.15	5.00	3852.37
				10/23/23		Not Monitored				
MW-10	2"	123 145	3992.85	06/09/21	148.89	133.50				3859.35
				11/10/21	140.32	133.61				3859.24
				06/30/22						
				10/23/23		Not Monitored				
MW-12	2"	123 145	3989.62	06/09/21	144.58	133.21				3856.41
				11/10/21	144.54	133.23				3856.39
				06/30/22	144.53	133.89				3855.73
				10/23/23		134.84				3854.78
MW-13	2"	123 145	3990.60	06/09/21	144.80	134.93				3855.67
				11/10/21	144.67	134.93				3855.67
				06/30/22	144.71	135.78				3854.82
				10/23/23		136.70				3853.90
MW-14	2"	123 145	3991.27	06/09/21	147.28	135.65				3855.62
				11/10/21	147.48	135.09				3856.18
				06/30/22	147.52	136.61				3854.66
				10/23/23		137.56				3853.71
MW-15	2"	124 146	3992.42	06/09/21	147.97	136.39				3856.03
				11/10/21	147.93	136.73				3855.69
				06/30/22	147.95	137.51				3854.91
				10/23/23		138.52				3853.90

TABLE 1
2021 / 2022 / 2023 POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION - LEA COUNTY, NEW MEXICO

Well	Well Diameter (inches)	Screen Interval (bgs[3]) ft toc	TOC Elevation ft msl	Date	Total Depth (ft below TOC) ft toc	Depth to Water (ft below TOC) ft toc	Depth to LNAPL ft toc	LNAPL Thickness ft	Product Removed gallons	Corrected Groundwater Elevation (ft above MSL[2]) ft msl
MW-16	2"	122 145	3989.17	06/09/21	143.98	134.56				3854.61
				11/10/21	143.98	134.83				3854.34
				06/30/22	143.98	135.91				3853.26
				10/23/23		136.70				3852.47
MW-17	2"	122 145	3989.92	06/09/21	145.92	135.20				3854.72
				11/10/21	146.01	135.32				3854.60
				06/30/22	146.01	136.57				3853.35
				10/23/23	146.01	137.21				3852.71
MW-18	2"	124.49 144.49	3989.96	06/09/21	145.20	135.05				3854.91
				11/10/21	145.39	135.02				3854.94
				06/30/22	145.22	136.09				3853.87
				10/23/23		136.88				3853.08
MW-19	2"	124.49 144.49	3991.32	06/09/21		137.95	134.37	3.58		3856.06
				07/20/21		137.34	134.29	3.05		3856.27
				09/14/21		137.49	134.26	3.23	0.50	3856.26
				10/21/21		137.50	134.28	3.22	2.00	3856.24
				11/10/21		137.89	134.42	3.47	2.50	3856.04
				12/22/21		137.57	134.79	2.78	2.00	3855.84
				06/30/22		138.92	134.88	4.04	1.00	3852.40
				10/23/23		135.95				3855.37
MW-20	2"	124.49 144.49	3992.62	06/09/21	146.58	136.21				3856.41
				11/10/21	146.12	136.37				3856.25
				06/30/22	146.10	136.81				3855.81
				10/23/23		137.97				3854.65
MW-21	2"	124.49 144.49	3993.71	06/09/21	147.43	137.56				3856.15
				11/10/21	147.44	137.50				3856.21
				06/30/22	147.43	138.26				3855.45
				10/23/23		139.31				3854.40
MW-22	2"	115 145	3989.01	06/09/21	148.71	134.60				3854.41
				11/10/21	148.69	134.86				3854.15
				06/30/22	148.70	136.27				3852.74
				10/23/23		136.79				3852.22
MW-23	2"	115 145	3989.77	06/09/21	Unable to locate					
				11/10/21	Unable to locate					
				06/30/22	Unable to locate					
				10/23/23	Unable to locate					
MW-24	2"	115 145	3997.05	06/09/21	148.59	139.00				3858.05
				11/10/21	142.42	139.18				3857.87
				06/30/22	143.10	139.59				3857.46
				10/23/23		140.91				3856.14
MW-25	2"	120 150	3991.88	06/09/21	149.96	132.57				3859.31
				11/10/21	150.08	132.67				3859.21
				06/30/22	149.97	133.17				3858.71
				10/23/23		134.18				3857.70
MW-26	2"	120 150	3991.13	06/09/21	151.71	134.82				3856.31
				11/10/21	151.69	134.76				3856.37
				06/30/22	151.70	135.47				3855.66
				10/23/23		136.47				3854.66
EW-1	4"	120 145	3987.79	06/09/21		134.28	130.92	3.36		3856.04
				07/20/21		133.68	130.82	2.86		3856.26
				09/14/21		133.85	130.81	3.04	6.50	3856.23
				10/21/21		133.96	130.82	3.14	4.50	3856.19
				11/10/21		134.21	130.98	3.23	6.00	3856.01
				12/22/21		134.58	131.12	3.46	5.00	3855.81
				06/30/22	NOT MONITORED	135.04	131.47	3.57	4.50	3852.75
				10/23/23						
TW-11		195	3989.11	06/09/21	188.20	130.71				3858.40
				11/10/21	188.13	129.80				3859.31
				06/30/22	188.12	131.61				3857.50
				10/23/23		131.43				3857.68
TW-13		183	3988.73	06/09/21	176.43	133.46				3855.27
				11/10/21	176.40	133.44				3855.29
				06/30/22	176.33	134.42				3854.31
				10/23/23		135.21				3853.52

NOTES:
ft msl ' indicates feet above mean sea level.
ft toc' indicates feet below top of casing.
'LNAPL' indicates light non-aqueous-phase liquid.
'--' indicates not applicable (e.g., no data or '0').
Water elevations were corrected using an estimated LNAPL specific gravity of 0.752.
'ND' indicates Not Detected

TABLE 2
2023 GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

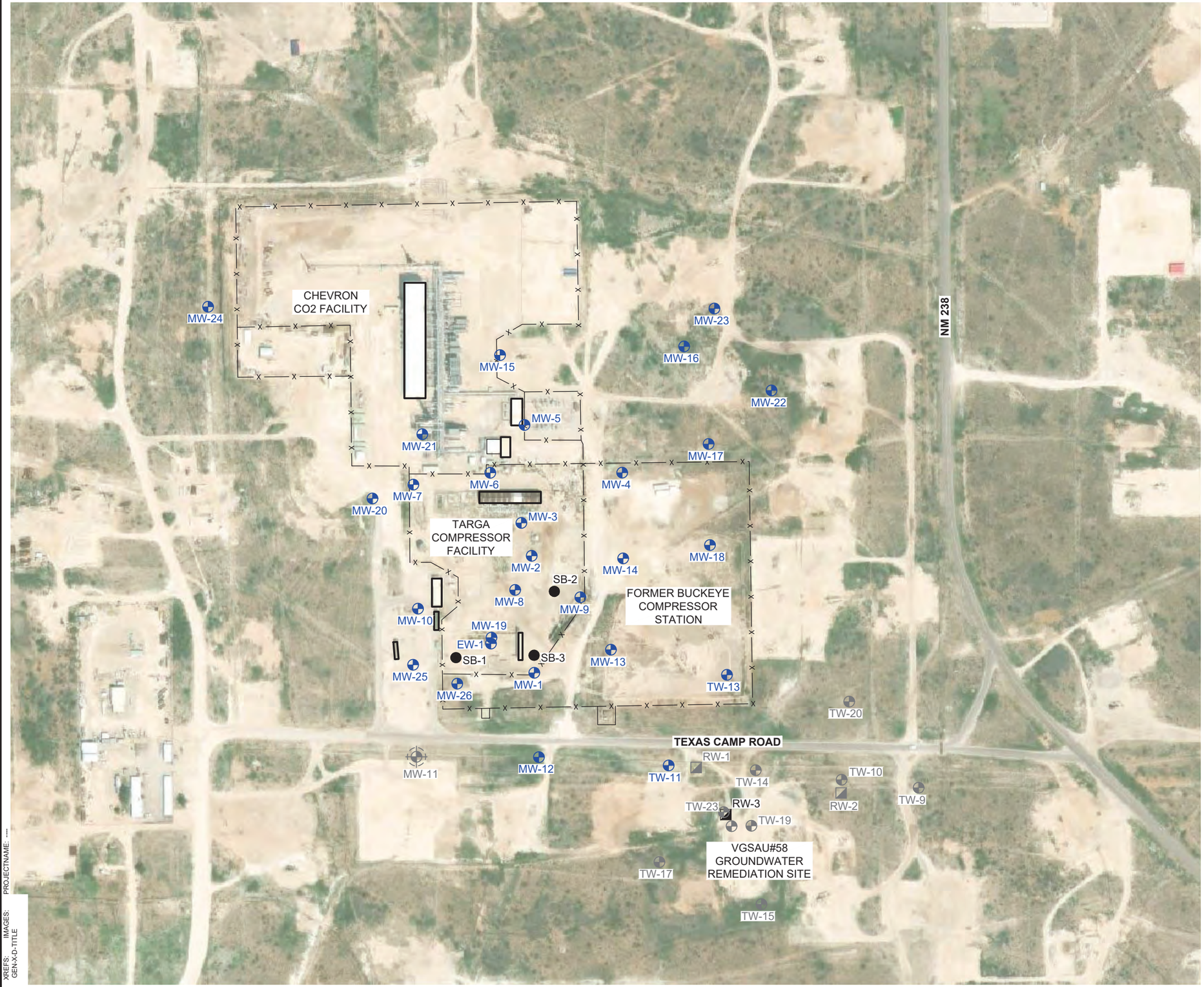
Sample I.D. No.	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standards, mg/L		**0.005**	**1**	**0.7**	**0.62**	**--**	**--**	**--**	**250**	**1,000**
MW-1	10/24/2023	***0.0219***	<0.000623	ND	ND	0.427	0.377	1.177	40.2	
MW-2			**SVE Remediation Well**							
MW-3			**SVE Remediation Well**							
MW-4	10/24/2023	***24.7***	ND	0.225	ND	37.5	0.662	38.162	84.4	--
MW-5	10/24/2023	0.000131	0.00106	ND	ND	0.0356	ND	0.0356	51.1	--
MW-6	10/24/2023	0.**00241**	0.000409	ND	ND	0.0965	0.0.101	0.2613	46.4	--
MW-7										
MW-8		**SVE Remediation Well**								
MW-9		LNAPL **Recovery Well**								
MW-10	10/4/2023	**Damaged-Not Sampled**								
MW-12	10/24/2023	0.000114	0.000501	ND	ND	ND	ND	ND	66.4	--
MW-13	10/24/2023	0.000145	0.00119	ND	ND	ND	0.211	0.357	64.3	--
MW-14	10/24/2023	0.00375	<.00125	ND	0.000273	0.579	0.178	0.8335	11.2	--
MW-15										--
MW-16	10/24/2023	0.000162	0.00104	ND	ND	ND	ND	ND	60.3	--
MW-17	10/24/2023	***0.117***	0.00106	ND	ND	0.395	0.145	0.54	182	--
MW-18	6/30/2022	0.000156	0.00113	ND	ND	0.0404	0.224	0.3764	46.7	--
MW-19				----------	---------- LNAPL ----------		----------	----------		
MW-20	10/24/2023	0.000103	0.00105	ND	ND	ND	ND	ND	17.2	--
MW-21	10/24/2023	0.00355	0.00103	0.000209	0.000186	0.342	0.0436	0.3856	54.2	--
MW-22	10/24/2023	0.000142	0.000913	ND	ND	ND	0.279	0.279	48.7	
MW-23	10/24/2023				**Unable to Locate**					
MW-24	10/24/2023	0.000112	ND	ND	ND	0.0443	0.0672	0.2154	190	
MW-25										
MW-26	10/24/2023	0.000155	0.00115	ND	ND	ND	ND	ND	74.3	--
EW-1	10/24/2023	LNAPL **Recovery Well**								

TABLE 2
2023 GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Sample I.D. No.	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	Total Dissolved Solids
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Standards, mg/L		**0.005**	**1**	**0.7**	**0.62**	**--**	**--**	**--**	**250**	**1,000**
TW-11	10/24/2023	0.000148	0.000888	ND	ND	ND	ND	ND	99.4	
TW-13	10/24/2023	0.000146	0.000771	ND	ND	ND	0.0943	0.1247	162	

NOTES:
NMWQCC - New Mexico Water Quality Control Commission
'mg/L' indicates milligrams per liter
Bold and Italicise cells indicate that concentration exceeds NMWQCC standard.
'LNAPL' indicates Light Non-Aqueous Phase Liquids.
"NS' indicates Not sampled
< Indicates that the results are less than the sample detection limit
TPH GRO indicates Total Petroleum Hydrocarbons Gasoline Range Organics
TPH DRO indicates Total Petroleum Hydrocarbons Diesel Range Organics

Figures



N

LEGEND:

— x — x —	FENCE LINE
MW-1	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
SB-1	SOIL BORING (2015 ASSESSMENT)
	ABANDONED (PLUGGED) WELL LOCATION (2020)
MW-11	DESTROYED WELL LOCATION

0 300' 600'

Approximate Scale: 1 in. = 300 ft.

BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

SITE MAP

KANE
Environmental Engineering, Inc.

FIGURE
1

MW–24	
Date	10/24/2023
Benzene	0.000112
Toluene	ND
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	0.0443
TPH DRO	0.0672

MW–21	
Date	10/24/2023
Benzene	0.00355
Toluene	0.00103
Ethylbenzene	0.000209
Total Xylenes	0.000186
TPH GRO	0.342
TPH DRO	0.0436

MW–5	
Date	10/24/2023
Benzene	0.000131
Toluene	0.00106
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	0.0356
TPH DRO	ND

MW–16	
Date	10/24/2023
Benzene	0.000162
Toluene	0.00104
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	ND
TPH DRO	ND

MW–23	
Date	10/24/2023
Benzene	Unable to
Toluene	Locate
Ethylbenzene	
Total Xylenes	
TPH GRO	
TPH DRO	

MW–22	
Date	10/24/2023
Benzene	0.000142
Toluene	0.000913
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	ND
TPH DRO	0.279

MW–17	
Date	10/24/2023
Benzene	0.117
Toluene	. 0.00106
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	0.395
TPH DRO	0.145

MW–6	
Date	10/24/2023
Benzene	0.00241
Toluene	0.000409
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	0.0965
TPH DRO	0.0101

MW–4	
Date	10/24/2023
Benzene	24.7
Toluene	ND
Ethylbenzene	0.225
Total Xylenes	ND
TPH GRO	37.5
TPH DRO	0.662

MW–18	
Date	10/24/2023
Benzene	0.000156
Toluene	0.00113
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	0.0404
TPH DRO	0.224

MW–10	
Date	10/24/2023
Benzene	Damaged not
Toluene	Sampled
Ethylbenzene	
Total Xylenes	
TPH GRO	
TPH DRO	

MW–20	
Date	10/24/2023
Benzene	0.000103
Toluene	0.00105
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	ND
TPH DRO	ND

MW–2	
Date	06/30/2022
Benzene	0.0176
Toluene	0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	0.405
TPH DRO	0.0738

MW–14	
Date	10/24/2023
Benzene	0.00375
Toluene	0.00125
Ethylbenzene	ND
Total Xylenes	0.000273
TPH GRO	0.579
TPH DRO	0.178

MW–13	
Date	10/24/2023
Benzene	0.000145
Toluene	0.00119
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	ND
TPH DRO	0.211

MW–26	
Date	10/24/2023
Benzene	0.000155
Toluene	0.00115
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	ND
TPH DRO	ND

MW–1	
Date	10/24/2023
Benzene	0.0219
Toluene	<0.000623
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	0.427
TPH DRO	0.377

MW–12	
Date	10/24/2023
Benzene	0.000114
Toluene	0.000501
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	ND
TPH DRO	ND

TW–11	
Date	10/24/2023
Benzene	0.000148
Toluene	0.000888
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	ND
TPH DRO	ND

TW–13	
Date	10/24/2023
Benzene	0.000146
Toluene	0.000771
Ethylbenzene	ND
Total Xylenes	ND
TPH GRO	ND
TPH DRO	0.0943

MW-24 MW-21 MW-5 MW-16 MW-23 MW-22 MW-17 MW-6 MW-4 MW-18 MW-10 MW-20 MW-2 MW-14 MW-26 MW-13 MW-1 MW-12 TW-11 TW-13

CHEVRON CO2 FACILITY

COMPRESSOR FACILITY

FORMER BUCKEYE COMPRESSOR STATION

TARGA

NM 238

TEXAS CAMP ROAD

RW-3

LEGEND:

—x—x—	FENCE LINE
	MONITORING WELL LOCATION
	MONITORING WELL LOCATION TO BE SAMPLED DURING REDUCED EVENT
	RECOVERY WELL LOCATION
	ABANDONED (PLUGGED) WELL LOCATION
	DESTROYED WELL LOCATION
	ESTIMATED EXTENT OF DISSOLVED PHASE PLUME EXCEEDING NMWQCC STANDARDS
B	DISSOLVED BENZENE (mg/L)
T	DISSOLVED TOLUENE (mg/L)
E	DISSOLVED ETHYLBENZENE (mg/L)
X	DISSOLVED XYLENES (mg/L)
TPH-GRO	DISSOLVED TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C6-C10) (mg/L)
TPH-DRO	DISSOLVED TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C10-C28) (mg/L)
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID
NS	NOT SAMPLED
ND	NON DETECTED

Analyte	NMWQCC Standards for Groundwater (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
TPH GRO	No Standard
TPH DRO	No Standard

NOTES:
1. MONITORING WELLS HIGHLIGHTED GREEN ARE PROPOSED TO BE SAMPLED DURING REDUCED SAMPLING EVENT (ONE SEMI-ANNUAL EVENT)

N

0 300' 600'

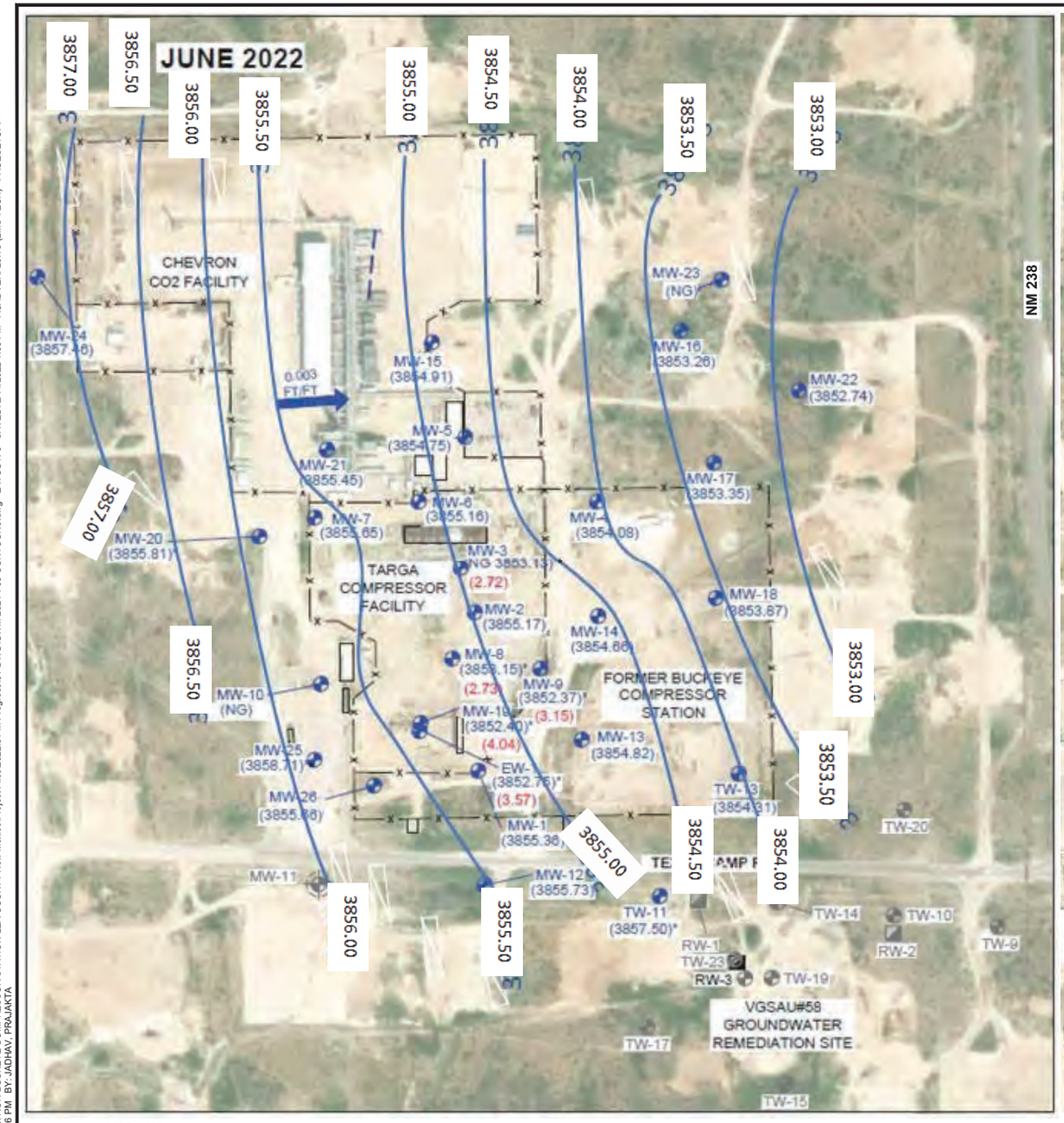
Approximate Scale: 1 in. = 300 ft.

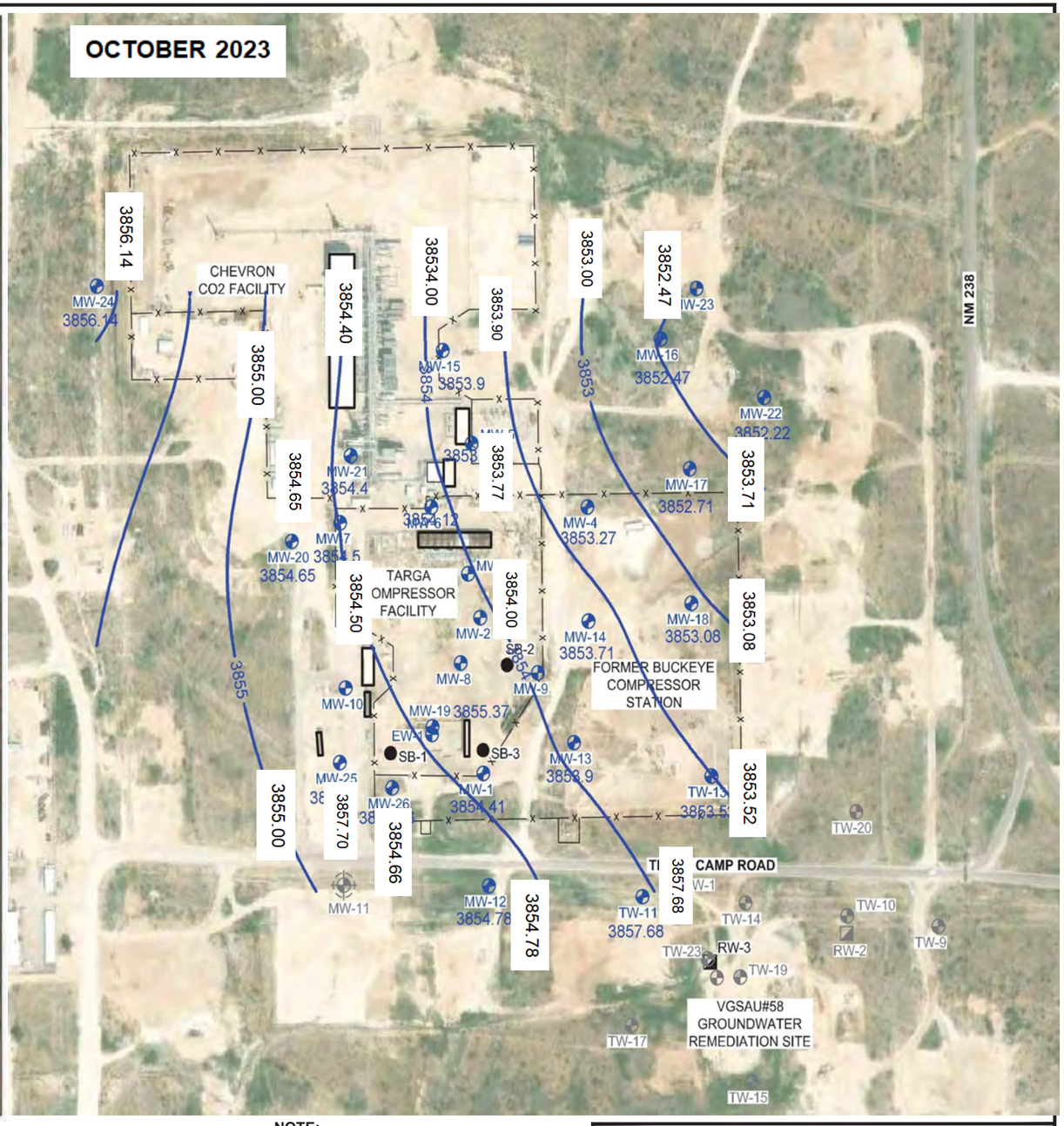
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

2023 ANALYTICAL RESULTS

KANE
Environmental Engineering, Inc.

FIGURE
2





LEGEND:

— x — x —	FENCE LINE
MW-1	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
	ABANDONED (PLUGGED) WELL LOCATION (2020)
MW-11	DESTROYED WELL LOCATION
(3860.11)	GROUNDWATER ELEVATION IN FEET (FT)
3860.00	GROUNDWATER ELEVATION CONTOUR (INTERVAL = 1 FT)
	APPROXIMATE DIRECTION OF GROUNDWATER FLOW
0.004 FT/FT	APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)
(NG)	NOT GAUGED
(3.36)	LNAPL THICKNES IN FEET (FT)
*	WELLS NOT USED FOR CONTOURING

NOTE:

1. GROUNDWATER ELEVATIONS ARE FROM MEASUREMENTS OBTAINED ON JUNE 9 AND NOVEMBER 10, 2021.

0 300' 600'

Approximate Scale: 1 in. = 300 ft.

BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

POTENTIOMETRIC SURFACE MAP JUNE 2022 AND OCTOBER 2023

KANE Environmental Engineering, Inc.

FIGURE 3

C:\Users\jadhavp8954\ACCDocs\Arcadis\AUS-CHEVRON-BUCKEYE COMPRESSOR STATION-LEA COUNTY New Mexico\Project Files\2022\01-In Progress\01-DWG\GWM-2021-F03-CONTOURS.dwg LAYOUT: 3 SAVED: 2/11/2022 1:08 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ----
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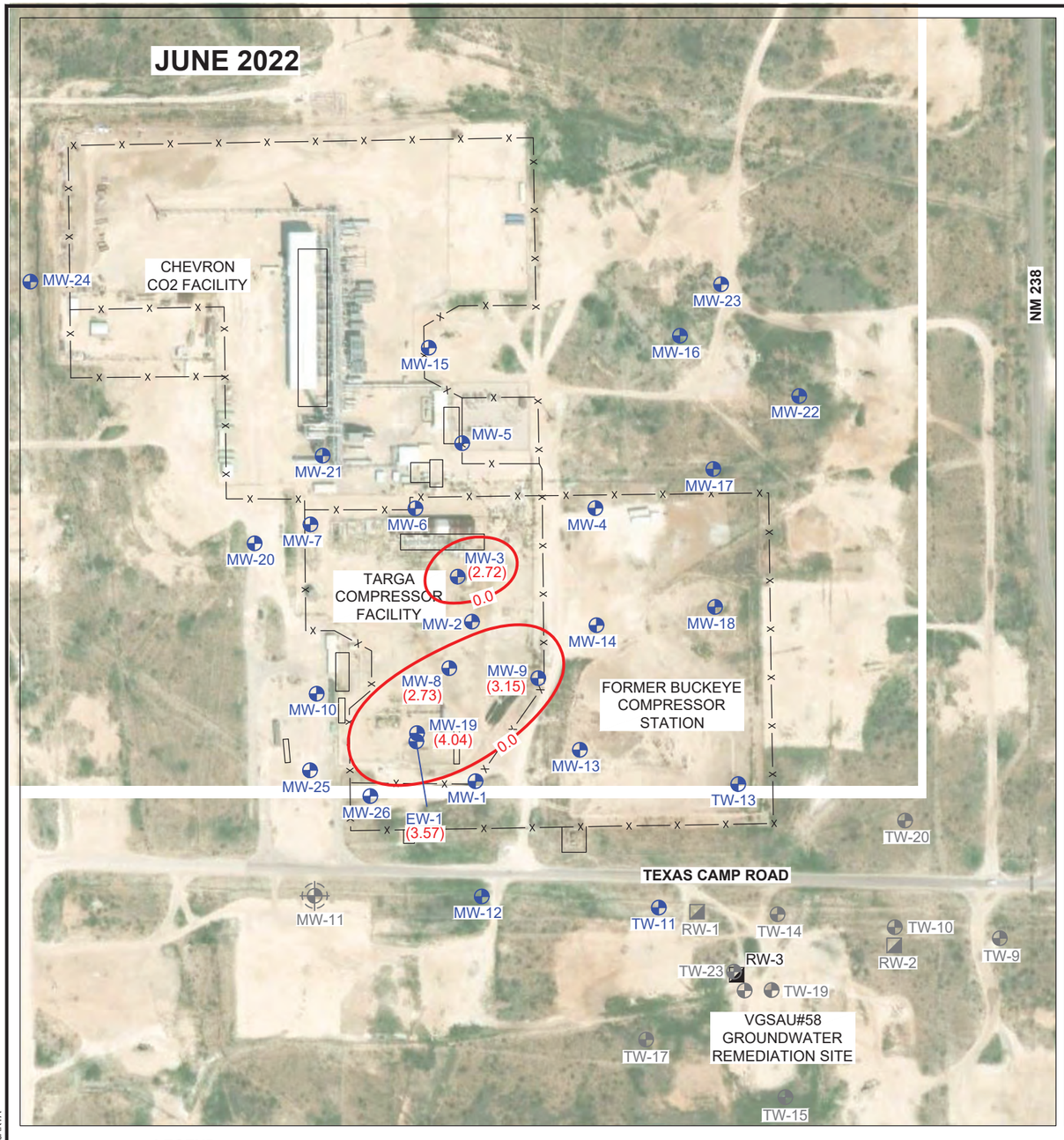
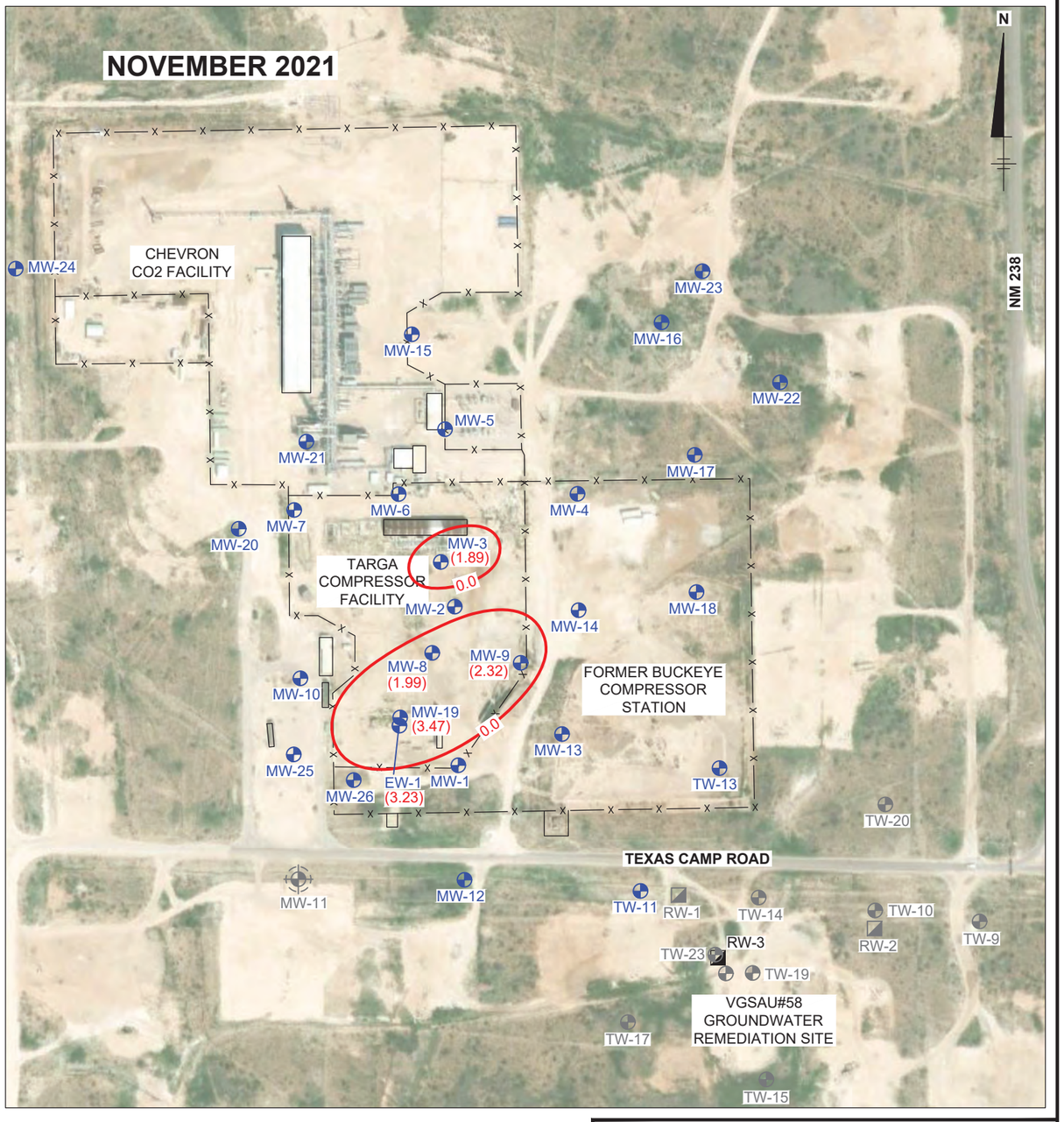
GEN-X-D-TITLE
GEN-X-BASEMAP





LEGEND:

— x — x —	FENCE LINE
MW-1	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
	ABANDONED (PLUGGED) WELL LOCATION (2020)
MW-11	DESTROYED WELL LOCATION
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID
	LNAPL CONTOUR
(3.36)	LNAPL THICKNESS IN FEET

NOTE:

1. LNAPL MEASUREMENTS OBTAINED ON JUNE 9 AND NOVEMBER 10, 2021.

0 300' 600'

Approximate Scale: 1 in. = 300 ft.

BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

LNAPL DISTRIBUTION MAP NOVEMBER 2021 AND JUNE 2022

KANE Environmental Engineering, Inc.

FIGURE 4

MW-21		
Date	06/30/2022	11/10/2021
Benzene	0.000169	0.000222 J
Toulene	<0.000278	<0.000412
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.0618	--

MW-6		
Date	06/30/2022	11/10/2021
Benzene	0.000682	**0.386**
Toulene	<0.000278	<0.000412
Ethylbenzene	<0.000137	0.000311 J
Total Xylenes	<0.000174	0.00191 B
TPH GRO	0.107	--
TPH DRO	0.0317	--

MW-15	
Date	06/30/2022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0519

MW-5	
Date	06/302022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0222

MW-16	
Date	06/30/2022
Benzene	<0.000107
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0316

MW-22		
Date	06/30/2022	11/10/2021
Benzene	<0.0000941	<0.000190
Toulene	<0.000278	0.000833 B J
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.103	--

MW-24	
Date	06/30/2022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.129

MW-17			
Date	06/30/2022	11/10/2021	11/10/2021 DUP 1
Benzene	**6.65**	**4.94**	**5.12**
Toulene	<0.000279	<0.000412	0.000961 B J
Ethylbenzene	0.000684	0.00125	0.00141
Total Xylenes	<0.000528	<0.000510	0.00125 B J
TPH GRO	12.9	--	--
TPH DRO	0.336	--	--

MW-7	
Date	06/30/2022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	0.0314
TPH DRO	0.116

MW-4		
Date	06/30/2022	11/10/2021
Benzene	**12.7**	**15.8**
Toulene	0.000278	<0.0412
Ethylbenzene	0.0212	<0.0160
Total Xylenes	0.00118	<0.0510
TPH GRO	32.6	--
TPH DRO	0.502	--

MW-20	
Date	06/30/2022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0222

MW-18		
Date	06/30/2022	11/10/2021
Benzene	<0.0000941	0.000307 J
Toulene	<0.000278	<0.000412
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.201	--

MW-10	
Date	06/30/2022
Benzene	DAMAGED
Toulene	NOT
Ethylbenzene	SAMPLED
Total Xylenes	
TPH GRO	
TPH DRO	

MW-2		
Date	06/30/2022	11/10/2021
Benzene	**0.0176**	**0.0758**
Toulene	<0.000278	<0.000412
Ethylbenzene	<0.000137	0.000175 J
Total Xylenes	<0.000174	<0.000510
TPH GRO	0.405	--
TPH DRO	0.0738	--

MW-25	
Date	06/30/2022
Benzene	<0.0000941
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.035

MW-14		
Date	06/30/2022	11/10/2021
Benzene	<0.000113	0.00141
Toulene	<0.0050	<0.000412
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	0.000174	<0.000510
TPH GRO	0.221	--
TPH DRO	0.302	--

MW-26	
Date	06/30/2022
Benzene	<0.000268
Toulene	<0.000278
Ethylbenzene	<0.000137
Total Xylenes	<0.000174
TPH GRO	<0.0314
TPH DRO	0.0723

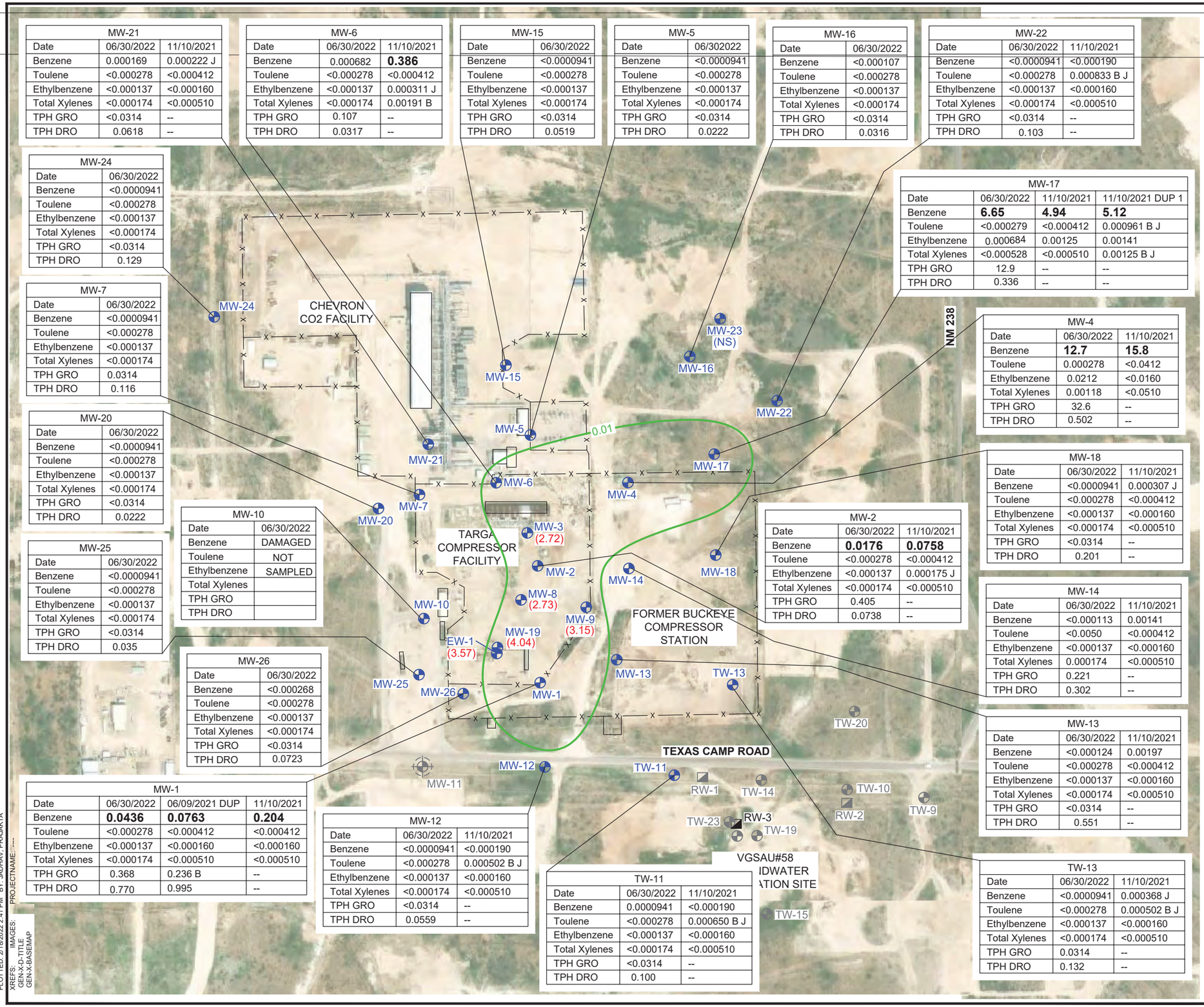
MW-13		
Date	06/30/2022	11/10/2021
Benzene	<0.000124	0.00197
Toulene	<0.000278	<0.000412
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.551	--

MW-1			
Date	06/30/2022	06/09/2021 DUP	11/10/2021
Benzene	**0.0436**	**0.0763**	**0.204**
Toulene	<0.000278	<0.000412	<0.000412
Ethylbenzene	<0.000137	<0.000160	<0.000160
Total Xylenes	<0.000174	<0.000510	<0.000510
TPH GRO	0.368	0.236 B	--
TPH DRO	0.770	0.995	--

MW-12		
Date	06/30/2022	11/10/2021
Benzene	<0.0000941	<0.000190
Toulene	<0.000278	0.000502 B J
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.0559	--

TW-11		
Date	06/30/2022	11/10/2021
Benzene	0.0000941	<0.000190
Toulene	<0.000278	0.000650 B J
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	<0.0314	--
TPH DRO	0.100	--

TW-13		
Date	06/30/2022	11/10/2021
Benzene	<0.0000941	0.000368 J
Toulene	<0.000278	0.000502 B J
Ethylbenzene	<0.000137	<0.000160
Total Xylenes	<0.000174	<0.000510
TPH GRO	0.0314	--
TPH DRO	0.132	--



LEGEND:

— x — x —	FENCE LINE
MW-1	MONITORING WELL LOCATION
RW-1	RECOVERY WELL LOCATION
	ABANDONED (PLUGGED) WELL LOCATION (2020)
MW-11	DESTROYED WELL LOCATION
	ESTIMATED EXTENT OF DISSOLVED PHASE PLUME EXCEEDING NMWQCC STANDARDS
TPH-GRO	TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C6-C10) (mg/L)
TPH-DRO	TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (C10-C28) (mg/L)
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID
(2.72)	LNAPL THICKNESS DURING JUNE 2022 SAMPLING EVENT (FEET)
(NS)	NOT SAMPLED
<0.000412	RESULTS ARE LESS THAN THE SAMPLE DETECTION LIMIT
B	THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
J	ESTIMATED CONCENTRATION DETECTED BELOW THE QUANTITATION LIMIT
BOLD	VALUES INDICATE THE CONCENTRATION EXCEEDS NMWQCC STANDARD
NMWQCC	NEW MEXICO WATER QUALITY CONTROL COMMISSION
DUP	DUPLICATE SAMPLE
--	NOT ANALYSED

Analyte	NMWQCC Standards for Groundwater (mg/L)
Benzene	0.005
Toluene	1
Ethylbenzene	0.7
Total Xylenes	0.62
TPH GRO	No Standard
TPH DRO	No Standard

0 300' 600'

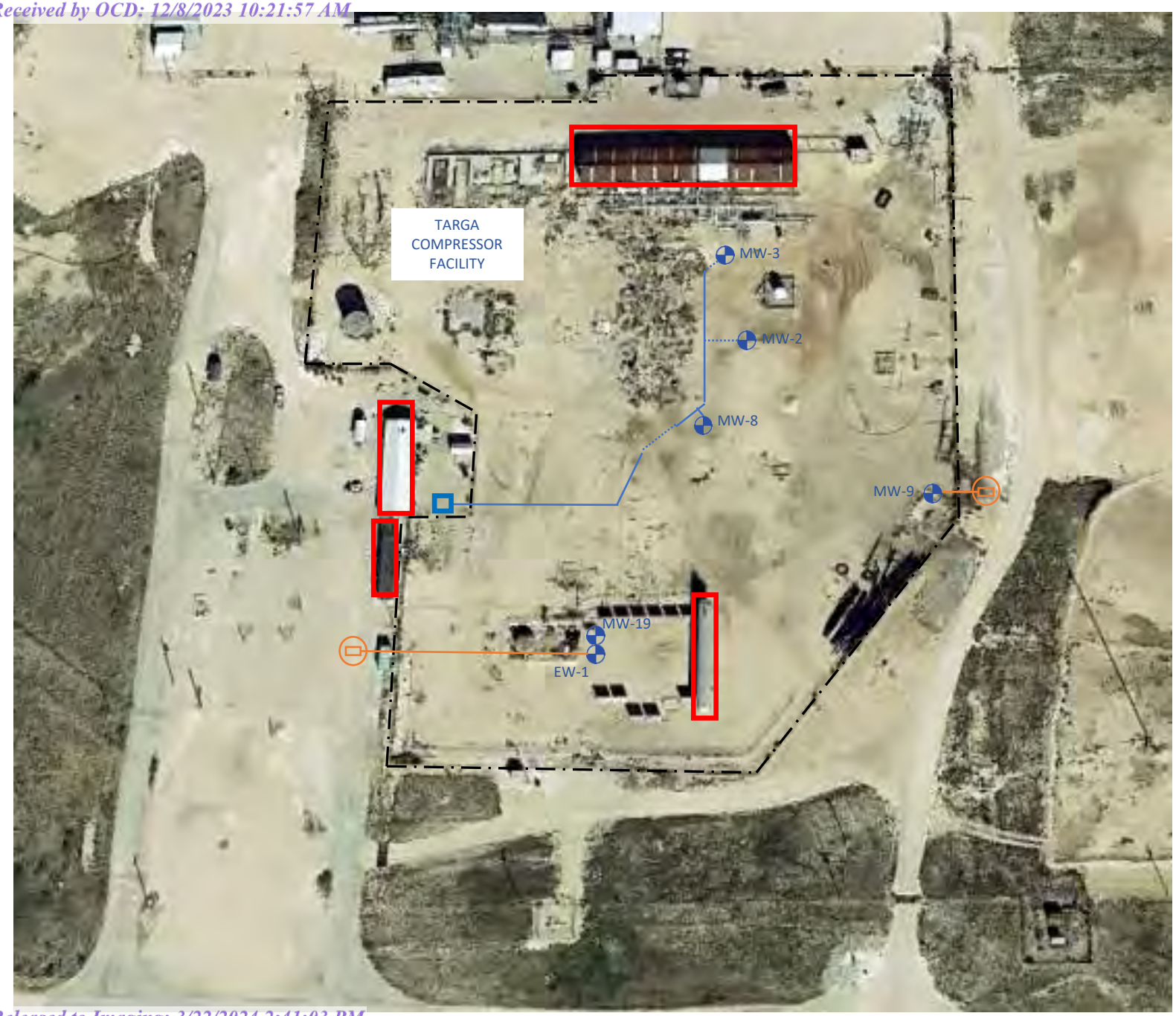
Approximate Scale: 1 in. = 300 ft.

BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

DISSOLVED HYDROCARBON CONCENTRATION MAP NOVEMBER 2021 AND JUNE 2022

KANE
Environmental Engineering, Inc.

FIGURE
5



LEGEND:

- FENCE LINE
- MONITORING WELL LOCATION
- LNAPL ABOVE GROUND LINE
- LNAPL PUMP AND STORAGE TANK
- SVE ABOVE GROUND COLLECTION LINE
- SVE BURRIED COLLECTION LINE
- SVE BLOWER STATION
- EXISTING STRUCTURE OR VESSEL

BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

LNAPL and SVE Remediation Line Routing

KANE
ENVIRONMENTAL ENGINEERING, INC.

FIGURE
6

Appendix A

Site Background

REGULATORY BACKGROUND

The site is located within the gas compression facility currently owned and operated by Targa Resources, LLC. The facility was originally owned by Texaco Exploration and Production, Inc. (Texaco). Previous investigations were conducted by Texaco to identify the source and extent of groundwater impacts observed in the non-potable water well at the site. These investigations have included the advancement of 17 soil borings and installation of 24 monitoring wells from 2002 to 2007. Light non-aqueous phase liquid (LNAPL) was first discovered in May 2008 within monitoring well MW-19, which is located proximate to a former "slop oil" tank. LNAPL has not been observed in MW-1 or MW-13 (located down gradient from MW-19). The primary chemical of concern (COC) in groundwater was identified as benzene. Fluid levels and concentrations of dissolved benzene, toluene, ethylbenzene, and total xylenes (BTEX) have been monitored on an annual or semi-annual basis since the monitoring wells were installed.

In order to determine the source of LNAPL in MW 19 and dissolved benzene in monitoring well MW 4, Stantec Inc. installed extraction well EW-1 and drilled five soil borings in May 2010. Soil results from borings SB-3, SB-4 and EW-1 (located adjacent to MW-19) exhibited BTEX and/or total petroleum hydrocarbons (TPH) concentrations at depths extending from 124 to 128 feet below ground surface (ft. bgs) that exceeded applicable New Mexico Oil Conservation Division (NMOCD) action levels. LNAPL has been present in EW-1 since its installation adjacent to MW-19 in 2010. LNAPL subsequently appeared in MW-8 and MW-9 in 2011, and in MW-3 in 2012.

GHD Services, Inc. (GHD) managed the project beginning in November 2010 and has conducted semiannual monitoring events since 2011. Arcadis assumed responsibility of the semiannual monitoring events in 2019. As part of free product recovery efforts, LNAPL has been bailed from MW-8, MW-9, MW-19, and EW-1 since 2011. LNAPL from MW-3 has been bailed since 2017. An approximate biweekly bailing schedule was implemented in 2012 and continued through 2019.

Although LNAPL thicknesses have fluctuated in wells, there has been no evidence of additional LNAPL migration since the appearance of LNAPL in MW-3 during 2012. Prior results do not indicate surface or shallow subsurface soil impacts in wells containing LNAPL.

The potential source of LNAPL in MW-8 and MW-9 was further evaluated in March and April 2015, and the results were presented in the 2015 Annual Groundwater Monitoring Report dated March 2016. The investigation involved five soil borings which were advanced to depths of 130 ft. bgs with the objective to further assess the possible source of the LNAPL. The results indicated no hydrocarbon impacts in soil down to the total depths of the borings. As such, the source of LNAPL was not identified. Two of the soil borings were deepened to 150 ft. bgs and converted to monitoring wells (MW-25 and MW-26).

The combined recoveries during two mobile dual-phase extraction (MDPE) events performed in August and December 2015 were approximately 425 gallons of LNAPL and 14,442 gallons of water. The August event resulted in the total LNAPL recovery of 210 gallons (liquid and vapor) followed by 215 gallons in the December event. Although these results demonstrated that MDPE was a viable LNAPL recovery method for the site, it was determined that biweekly hand bailing would continue due to the lower costs and apparent stability of the LNAPL and dissolved phase plumes.

Analysis of chloride in groundwater was discontinued after 2012 in all wells except MW-21 because the historical results indicated that it was not a concern in other wells. Subsequent chloride results in MW-22 indicated an isolated exceedance in October 2014 and two consecutive exceedances during 2017.

In July 2017, LNAPL was sampled from MW-3 and MW-19 and analyzed by PIANO (Paraffins, Isoparaffins, Aromatics, Napthenes, and Olefins) analysis. Conclusions from results of the analysis of the two samples determined they were both of nearly identical compositional configuration, carbon distribution, and compositional make up (i.e., believed from the same source). Both samples were also determined relatively fresh with minimal weathering.

REGULATORY FRAMEWORK

The NMOCD provides guidance for remediation of contaminants of oil field wastes or products in Guidelines for Remediation of Leaks, Spills, and Releases (August 13, 1993). These guidelines require remediation of groundwater to the human health standards of the New Mexico Water Quality Control Commission (NMWQCC) set forth in New Mexico Administrative Code 20.6.2.3103. NMWQCC standards for BTEX are listed below, and do not include TPH.

Analyte	NMWQCC Standard for Groundwater (mg/L)
Benzene	0.005
Toluene	1.0
Ethylbenzene	0.7
Total Xylenes	0.62

Note: mg/L = milligrams per liter

GROUNDWATER SAMPLING AND ANALYSIS

The site currently includes 26 active monitoring wells (MW-1 through MW-9, MW-12 through MW-22, MW-24 through MW-26, TW-11, TW-13 and EW-1) (Figure 2). Monitoring well MW-10 has been damaged. Based on the need for this well, MSP is requesting that NMOCD consent to plug and abandon this well. The dissolved-phase plume has been delineated in the area north and east of MW-11 as evidenced by monitoring results in MW-10 and MW-12 (and subsequently by MW-25 and MW-26).

Wells TW-11 and TW-13, associated with the adjacent Vacuum Grayburg San Andres Unit No. 58 (VGSAU #58) site (Buckeye Vacuum Field Unit) located south of Texas Camp Road (Figure 2), are included in the groundwater monitoring program in order to monitor dissolved phase contaminants to the south of the site. Based on historical analytical results of on-site well MW-13, the southeastern side of the dissolved phase plume has remained delineated within the facility area.

GEOLOGY/HYDROGEOLOGY ASSESSMENT

Site Setting

The Buckeye Compressor Station is located immediately north of Texas Camp Road, approximately one mile southwest of Buckeye, Lea County, New Mexico. The general vicinity is shown on Figure 1 and site details are presented on Figure 2. The site location is in Section 36, Township 17 South, Range 34 East at geographic coordinates: 32.784532, -103.50831.

Land in the vicinity of the site is utilized primarily for livestock ranching and oil and gas production, and has areas of undeveloped rangeland vegetated with indigenous grass.

Regional Geologic Conditions

The region is characterized by a surface cover of up to 200 feet of unconsolidated to semi-lithified sediments of the Ogallala Formation consisting of sand, clay, and fluvial gravel. The upper portion of the Ogallala Formation has been heavily cemented by caliche. The Tertiary-aged sediments are underlain by the Triassic-aged Dockum Group shale ("red beds").

Site Geology

The subsurface stratigraphy typically included the following:

- A thick sand (0 to 163 feet) layer of unconsolidated fine sand containing trace caliche nodules. Sand grains gradually increasing to fine to medium grained at 140 feet,
- A fine sand layer typically ranging from 3 feet to 30 feet,
- A sandy clay layer typically ranging from 2 feet to 11 feet directly above the upper Dockum "redbeds", and
- Red and gray weathered shale and mudstone "redbeds" of the Triassic Dockum Group that form the underlying confining layer.

Hydrogeologic Conditions

Regional groundwater flow in the Ogallala Aquifer is controlled by the slope of the land surface to the south with localized eastward flow into the valley of Monument Draw. The aquifer typically behaves as an unconfined aquifer. Monument Draw is an intermittent stream that contains water only after heavy rains (Texas Water Development Board [TWDB], 2008)1. The Dockum Group Shale is considered the underlying aquitard for the Ogallala Aquifer.

Appendix B

Groundwater Monitoring, LNAPL Recovery and SVE Remediation Work Plan

November 12, 2023

Morning Star Partners
400 West 7th Street
Fort Worth, Texas 76102

Re: Buckeye Compressor Station
Case No. AP-104, Incident nAUTOFGP000135
Proposed Groundwater Monitoring, LNAPL Recovery and O&M Reduction Workplan Lea County, New Mexico

Dear: Mr. Velez,

Please find enclosed for your files, copies of the following Work Plan:

- Buckeye Compressor Station Proposed Groundwater Monitoring, LNAPL Recovery and SVE Remediation

The submittal was prepared by Kane on behalf of MSP.

Please do not hesitate to c0ntact Alan Kane, the current consultant, at (281) 639-9590 or myself at (817) 334-8098, should you have any questions.

Sincerely,

Dan Guillotte

Enclosures;
Buckeye Compressor Station AP-104, Incident nAUTOFGP000135, Proposed Groundwater Monitoring, LNAPL Recovery and SVE Remediation Work Plan.

Mr. Nelson Velez
Project Manager
EMNRD/OCD
5200 Oakland, NE, Suite 100
Albuquerque, NM 87113

Subject: Proposed Groundwater Monitoring, LNAPL Recovery and SVE Remediation Work Plan.

Morning Star Partners
Buckeye Compressor Station (AP-104)
Lea County, New Mexico

Dear Mr. Velez:

At the request of Morning Star Partners (MSP), Kane Environmental Engineering, Inc. (Kane) has prepared and is providing this work plan to propose the plugging and abandonment of the previously damaged well MW-10. Based on groundwater flow direction (Figure 3) the existing monitoring wells MW-20 and MW-26 will provide control. The plume has been stable for many years and, additionally, the operation of the LNAPL recovery system and the SVE system will actively reduce the amount of LNAPL at the site.

Mr. Nelson Velez
EMNRD/OCD
November 2023

PROPOSED LNAPL AND SVE SYSTEM OPERATIONS PLAN

The following work plan outlines the specifics of the proposed activities including the operation both the LNAPL recovery system and soil vapor extraction (SVE) systems.

LNAPL Recovery System

The LNAPL recovery system that included the installation of two (2) solar powered Geotech pumps in wells MW-9 and EW-1 was completed in July 2023. Separate controllers and dedicated storage tanks were installed for each well. Field personnel record the actual recovery rates on a weekly basis. Tank contents will be transferred from these tanks to the existing steel LNAPL storage tanks as needed. The recorded information will be used to evaluate the system recovery efficiency on a monthly basis. Recovery efficiencies will be compared with historical recovery data. A total of 24 gallons of product have been recovered from each well since July.

SVE Remediation System

This system was installed and commenced operation in November 2023. Monitoring wells MW-2, MW-3 and MW-8 were connected to the system (**See Figure 5**). Ongoing sampling and reporting will continue following the schedules included in SVE System Operations Plan (**See Appendix D**).

Mr. Bradford Billings
EMNRD/OCD
August 22, 2022

The data will also be further evaluated to determine if there are more practical and effective LNAPL recovery system alternatives.

CONTACT

Kane is prepared, with your approval to begin the LNAPL Recovery Program immediately. If you have any questions or comments, please contact Alan Kane, P.E. at (281) 639-9590, or email: alanjkane@comcast.net.

Sincerely,

Alan Kane, P.E.
Kane Environmental Engineering, Inc.

TABLES

TABLE 1
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Annual Monitoring Event			
Well ID	**BTEX**	**TPH DRO/GRO**	**Chloride**
MW 1	X	X	X
MW 4	X	X	X
MW 6	X	X	X
MW 12	X	X	X
MW 13	X	X	X
MW 14	X	X	X
MW 16	X	X	X
MW 17	X	X	X
MW 18	X	X	X
MW-19	**-**	**-**	**-**
MW 20	X	X	X
MW 21	X	X	X
MW 22	X	X	X
MW 24	X	X	X
MW 26	X	X	X
	-		\
TW 11	X	X	X
TW 13	X	X	X

Notes:
USEPA = United States Environmental Protection Agency
X = Data will be collected at monitoring well during respective event
= Data will not be collected at monitoring well during event
Bold = LNAPL currently in well

TABLE 2

SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 1	6/19/2002	1.74	0.024	<0.010	<0.010				97.5	458	
MW 1	10/9/2002	3.56	<0.010	<0.010	<0.010						
MW 1	8/12/2003	0.555	0.003	0.003	0.009						
MW 1	8/10/2004	1.5	<0.010	0.008	0.014				100	603	
MW 1	2/18/2005	1.74	<0.01	<0.01	<0.01				96.0	606	
MW 1	12/21/2005	4.4	<0.007	0.017 J	<0.008				74.6		
MW 1	4/11/2006	3.0	<0.002	6.3 J	<0.006				73.1		
MW 1	10/12/2006	1.4	0.051	0.02300	0.019				81.9		
MW 1	5/1/2007	2.3	<0.001	0.0046 J	0.0032 J				80.5	503	
MW 1	10/24/2007	1.7	0.0014 J	0.0039 J	0.003				83.7		
MW 1	5/21/2008	1.6	0.0055	0.0064	0.005 J				86.4		
MW 1	10/16/2008	1.5	0.0017 J	0.0083	0.0066 J				79.7		
MW 1	4/20/2009	1.7	0.0036 J	0.0076 J	0.0066 J				73.8		
MW 1	9/29/2009	3.1	0.0027	0.0022	0.0059				71.1		
MW 1	4/6/2010	4.0	<0.0040	0.0045 J	<0.012						
MW 1	10/7/2010	3.3	0.0032 J	0.0013 J	0.0031 J						
MW 1	4/26/2011	8.8	<0.0010	0.0022	0.0039	18.2	<0.050		62.5		
MW 1	10/20/2011	6.2	<0.200	<0.100	<0.100	<1.50	1.84		63.4		
MW 1	4/26/2012	3.94	<0.500	<0.250	<0.250	4.68	<1.50		67.7		
MW 1	11/9/2012	1.10	<0.020	<0.010	<0.010	<1.50	<1.50		64.1		
MW 1	4/25/2013	6.21	<0.100	<0.050	<0.050	6.57	<1.50				
MW 1	10/24/2013	6.19	<0.0400	<0.0200	<0.0200	6.62	<1.50	6.62			
MW 1	2/14/2014	7.25	<0.1000	<0.0500	<0.0500	5.00	<1.50	5.00			
MW 1	10/30/2014	6.59	<0.0500	<0.2500	<0.0250	10.00	<1.48	10.00			
MW 1	3/3/2015	5.56	<0.05000	<0.0250	<0.0250	6.58	<1.50	6.58			
MW 1	10/29/2015	1.49	<0.040000	<0.020000	<0.0200	2.07	<1.41	2.07			
MW 1	3/3/2016	1.50	<0.0400	<0.0200	<0.0200	2.24	<1.41	2.24			
MW 1	8/23/2016	3.59	<0.0200	<0.0200	<0.0200	1.99	<1.50	1.99			
MW 1	3/3/2017	0.0978	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 1	8/31/2017	2.34	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW 1	4/5/2018	1.65	<0.00200	<0.00200	<0.00200	3.08	<1.50	3.08			
MW 1	8/29/2018	2.94	<0.00200	<0.00200	<0.00200	4.00	<1.50	4.00			
MW 1	1/29/2019	2.02	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 1	12/17/2019	0.84	<0.00020	<0.00021	<0.00037	3	<1.50	3			
MW 1	6/30/2022	0.0436	<0.000278	<0.000137	<0.000174	0.368	0.770	2.46	49.2		
MW 2	6/19/2002	1.15	<0.005	0.009	0.017				88.6	335	
MW 2	10/9/2002	1.73	<0.010	0.017	0.040						
MW 2	8/12/2003	0.947	<0.005	0.007	0.014						
MW 2	8/10/2004	0.149	0.001	0.001	0.003				78	361	
MW 2	2/18/2005	1.15	<0.010	0.0115	0.030				169		
MW 2	12/21/2005	15.0	4.0	0.760	0.700				62.4		
MW 2	4/11/2006	0.65	0.11	0.035	0.280				87.4		
MW 2	10/12/2006	1.10	0.19	0.017	0.029				81.1		
MW 2	5/7/2007	0.490	0.004 J	0.0023	0.009				80.8	469	
MW 2	10/24/2007	0.90	0.0007 J	0.004	0.016				79.8		
MW 2	5/21/2008	1.3	0.0035	0.004	0.014				100		
MW 2	10/16/2008	0.67	0.0013 J	0.0013 J	0.011 J				92.3		
MW 2	4/20/2009	0.74	0.0013 J	0.0013 J	0.015				63.5		
MW 2	9/29/2009	0.62	0.020	0.0043	0.015				67.8		
MW 2	4/6/2010	0.140	<0.0002	0.0002 J	0.0055						
MW 2	10/6/2010	0.200	0.035	0.0044	0.0087						
MW 2	4/21/2011	1.000	0.0033	<0.00020	<0.00070	1.99	0.051		62.0		
MW 2	10/19/2011	0.993	<0.00200	<0.00100	<0.00100	<1.50	2.04		106		
MW 2	4/26/2012	0.868	<0.500	<0.250	<0.250	<1.50	<1.50		129		
MW 2	11/12/2012	0.709	0.0224	0.0122	0.0317	<1.50	<1.50		140		
MW 2	4/25/2013	0.294	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 2	10/24/2013	0.583	<0.0100	<0.00500	<0.00500	<1.50	<1.50	<1.50			
MW 2	2/13/2014	0.174	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 2	10/30/2014	0.0281	<0.0020	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 2	3/3/2015	0.0712	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 2	10/29/2015	0.00325	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			

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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_{6}-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 2	3/3/2016	0.00216	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 2	8/23/2016	0.0622	<0.00200	<0.00200	<0.00200	1.99	<1.50	<1.50			
MW 2	3/3/2017	0.0447	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 2	8/31/2017	0.757	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 2	4/5/2018	0.315	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 2	8/29/2018	0.249	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 2	1/29/2019	0.0061	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 2	12/20/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 2	6/30/2022	0.0176	0.000278	<0.000137	<0.000174	0.405	0.0738	0.4788	98.4		
MW 3	6/20/2002	1.05	0.739	0.345	0.416				56.1		
MW 3	10/9/2002	4.8	1.24	0.088	0.178						
MW 3	8/11/2003	3.3	1.13	0.24	0.272						
MW 3	8/10/2004	2.57	1.190	0.185	0.222				49.6		
MW 3	2/18/2005										NS H2S
MW 3	12/20/2005										NS H2S
MW 3	4/11/2006	1.70	0.62	0.091	0.086				47.7		
MW 3	10/12/2006	5.30	1.8	0.16	0.240				60.2		
MW 3	5/3/2007	3.40	1.3	0.16	0.260				56.3	359	
MW 3	10/24/2007										NS no access
MW 3	5/20/2008	1.40	0.085	0.034	0.045				63		
MW 3	10/16/2008										No lab data
MW 3	4/16/2009	0.46	0.061	0.011	0.020				54.9		
MW 3	9/29/2009	0.50	0.091	0.012	0.019				52.8		
MW 3	4/6/2010	0.570	0.190	0.021	0.028						
MW 3	10/6/2010	0.430	0.160	0.017	0.025						
MW 3	4/21/2011	6.600	1.100	0.088	0.120	14.5	0.026 J		41.7		
MW 3	10/19/2011	7.05	0.372	0.391	0.480	11.1	2.200		43.8		
MW 3	4/24/2012										NS LNAPL
MW 3	11/12/2012	7.06	0.822	0.249	0.204	11.8	<1.50		43.5		
MW 3	4/26/2013	11.70	0.884	0.289	0.301	13.0	<1.50				
MW 3	10/22/2013										NS LNAPL
MW 3	2/11/2014										NS LNAPL
MW 3	10/27/2014										NS LNAPL
MW 3	2/24/2015										NS LNAPL
MW 3	10/28/2015										NS LNAPL
MW 3	2/29/2016										NS LNAPL
MW 3	8/23/2016	6.60	0.0685	<0.100	0.242	6.19	1.75	7.94			
MW 3	3/3/2017										NS LNAPL
MW 3	8/30/2017										NS LNAPL
MW 3	4/5/2018										NS LNAPL
MW 3	8/29/2018										NS LNAPL
MW 3	1/29/2019										NS LNAPL
MW 3	12/20/2019										NS LNAPL
MW 3	6/30/2022										
MW 4	6/20/2002	0.001	<0.001	<0.001	<0.001				142	558	
MW 4	10/9/2002	0.705	<0.005	0.005	0.011						
MW 4	8/13/2003	2.39	<0.005	0.012	0.006						
MW 4	8/11/2004	3.73	0.0409	0.077	0.037				44.3	329	
MW 4	2/18/2005	6.85	0.004 J	0.043	0.024				43.0	312	
MW 4	12/20/2005	4.80	<0.001	0.035	0.018				50.5		
MW 4	4/12/2006	5.00	0.014	0.050	0.018 J				42.9		
MW 4	10/11/2006	6.30	0.0031 J	0.039	0.020				52.6		
MW 4	4/30/2007	14.00	0.0089 J	0.170	0.074				64.4	276	
MW 4	10/24/2007	14.00	0.012	0.180	0.067				53.4		
MW 4	5/19/2008	12.00	0.170	0.150	0.110				62.9		
MW 4	10/20/2008	17.00	1.1	0.580	2.200				63.4		
MW 4	4/15/2009	20.00	0.180	0.390	0.28 J				57.10		
MW 4	9/30/2009	18.00	0.110	0.320	0.140 J				56.70		
MW 4	4/6/2010	25.0	0.490	0.470	0.220 J						
MW 4	10/7/2010	20.0	0.500	0.370	0.200						
MW 4	4/26/2011	39.0	0.170	0.230	0.130	75.7	0.360		86.4		

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 4	10/20/2011	23.1	<0.200	0.128	<0.100	21.4	1.810		79		
MW 4	4/26/2012	16.6	<0.500	<0.250	<0.250	15.9	<1.50		77.1		
MW 4	11/7/2012	19.2	0.464	0.113	0.449	18.6	<1.50		70.7		
MW 4	4/26/2013	20.5	<0.200	<0.100	<0.100	18.8	<1.50				
MW 4	10/24/2013	19.6	<0.100	0.167	0.0595	21.7	<1.50	21.7			
MW 4	2/14/2014	19.9	<0.100	0.070	0.0500	30.5	<1.50	30.5			
MW 4	10/29/2014	26.2	<0.200	0.202	<0.100	34.0	<1.48	34.0			
MW 4	3/3/2015	23.4	<0.20001	0.177	<0.100	24.6	<1.50	24.6			
MW 4	10/28/2015	9.52	0.141	0.051	0.0550	15.7	<1.41	15.7			
MW 4	3/3/2016	5.77	0.0201	0.0450	0.0297	6.26	<1.41	6.26			
MW 4	8/24/2016	6.81	<0.100	<0.100	<0.100	5.88	<1.50	5.88			
MW 4	3/1/2017	4.20	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW 4	8/31/2017	6.19	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW 4	4/4/2018	12.80	<0.00200	0.00294	<0.00200	21.1	<1.50	21.1			
MW 4	8/28/2018	9.76	<0.20000	<0.20000	<0.20000	13.7	<1.50	13.7			
MW 4	1/29/2019	6.92	<0.20000	0.00228	0.00113	9.64	<1.50	<1.50			
MW 4	12/19/2019	11.00	0.004	0.044	0.030 J	28.00	<1.50	28			
MW 4	12/19/2019	12.00	0.004	0.044	0.030 J	33.00	<1.50	33			
MW 4	6/30/2022	12.7	0.000278	0.0212	0.00118	32.6	0.502	33.28	74.5		
MW 5	6/20/2002	0.002	<0.001	<0.001	<0.001				160	521	
MW 5	10/9/2002	0.489	<0.001	<0.001	<0.001						
MW 5	8/13/2003	0.361	0.002	0.001	0.002						
MW 5	8/12/2004	0.169	0.0005	0.0021	0.002				63.8	408	
MW 5	2/18/2005	0.125	<0.001	0.001 J	0.002				48.8	397	
MW 5	12/21/2005	0.30	<0.0007	0.002 J	0.002 J				36.1		
MW 5	4/12/2006	0.04	0.014	0.0055	0.006				26.9		
MW 5	10/12/2006	0.71	0.200	0.036	0.039				31.5		
MW 5	4/26/2007	0.013	<0.0002	<0.0002	<0.0006				26.7	303	
MW 5	10/23/2007	0.0083	<0.0002	<0.0002	<0.0006				25.6		
MW 5	5/20/2008	0.066	0.0012	0.0086	0.011				30.1		
MW 5	10/20/2008	0.012	0.0015	0.0003 J	<0.0006				37.3		
MW 5	4/21/2009	0.028	0.0007 J	0.0018	0.0015 J				27.2		
MW 5	9/29/2009	0.011	0.0008 J	<0.0002	<0.0006				25.9		
MW 5	4/6/2010	0.037	0.0004 J	0.0003 J	<0.0006						
MW 5	10/5/2010	0.019	<0.0002	<0.0002	<0.0006						
MW 5	4/21/2011	0.0014	0.0025	<0.00020	<0.00070	<0.020	<0.020		20.5		
MW 5	10/18/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	1.87		25.4		
MW 5	4/25/2012	0.0335	<0.00200	<0.00100	<0.00100	<1.50	<1.50		29.3		
MW 5	11/8/2012	0.00901	<0.00200	<0.00100	<0.00100	<1.50	1.68		27.8		
MW 5	4/25/2013	0.00819	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 5	10/23/2013	0.0176	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 5	2/13/2014	0.0574	<0.00200	<0.00100	0.00267	<1.50	<1.50	<1.50			
MW 5	10/29/2014	0.0031	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 5	3/2/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 5	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 5	3/3/2016										NS construction
MW 5	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	3/2/2017	0.00223	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	8/31/2017	0.0609	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	4/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	1/31/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 5	12/19/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 5	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	0.107	0.0317	1.79	47.4		
MW 6	6/20/2002	0.444	<0.001	<0.001	<0.001				28.4	329	
MW 6	10/9/2002	5.45	<0.010	<0.010	0.032						
MW 6	8/12/2003	1.63	<0.005	<0.005	0.010						
MW 6	8/10/2004	0.827	0.001	0.001	0.006				24.8	318	
MW 6	2/18/2005	1.62	<0.0050	<0.0050	0.000				31.9	368	
MW 6	12/21/2005	1.8	<0.001	<0.002	0.005 J				25.8		
MW 6	4/11/2006	1.5	0.330	0.043	0.049				49.5		

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_{6}-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 6	10/12/2006	2.2	<0.001	0.0028 J	0.015				39.1		
MW 6	5/1/2007	0.850	0.0050 J	0.0028	0.007				26.3	282	
MW 6	10/24/2007	1.1	0.0005 J	0.0049	0.009				37.9		
MW 6	5/20/2008	0.940	0.0012	0.0073	0.015				24.1		
MW 6	10/16/2008	0.530	0.001 J	0.0023 J	0.0051 J				22.9		
MW 6	4/16/2009	1.4	0.0003 J	0.0027	0.011				22.1		
MW 6	9/29/2009	1.9	0.0035	0.0054	0.025				27		
MW 6	4/6/2010	1.600	0.0004 J	0.0083	0.028						
MW 6	10/7/2010	0.460	0.0051	0.0015	0.0063						
MW 6	4/21/2011	0.800	0.0031	<0.00020	0.00089 J	1.60	<0.020		27.5		
MW 6	10/20/2011	0.289	<0.00200	<0.00100	<0.00100	<1.50	2.21		40.9		
MW 6	4/27/2012	0.250	<0.00200	<0.00100	<0.00100	<1.50	<1.50		50.0		
MW 6	11/12/2012	0.807	<0.02000	<0.01000	<0.01000	<1.50	<1.50		52.1		
MW 6	4/26/2013	0.628	<0.01000	<0.00500	<0.00500	<1.50	<1.50				
MW 6	10/24/2013	1.04	<0.0100	<0.00500	<0.00500	2.10	<1.50	2.10			
MW 6	2/13/2014	0.23	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 6	10/30/2014	0.0392	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 6	3/3/2015	0.0355	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 6	10/29/2015	0.132	<0.0020	<0.00100	<0.00100	<1.51	<1.41	<1.51			
MW 6	3/3/2016	0.0177	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 6	8/24/2016	0.208	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 6	3/3/2017	0.0275	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 6	9/1/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 6	4/6/2018	0.109	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 6	8/29/2018	0.480	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW 6	1/29/2019	0.0188	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 6	12/20/2019	0.013	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 6	6/30/2022	0.00682	<0.000278	<0.000137	<0.000174	<0.0314	0.0523	0.116	27.2		
MW 7	6/20/2002	0.001	<0.001	<0.001	<0.001				31.9	337	
MW 7	10/9/2002	0.086	<0.001	<0.001	0.001						
MW 7	8/12/2003	0.241	<0.001	<0.001	0.002						
MW 7	8/10/2004	0.0436	<0.001	<0.001	<0.001				19.5	322	
MW 7	2/18/2005	0.0375	<0.001	<0.001	<0.001				23.5	387	
MW 7	12/21/2005	0.012	<0.0007	<0.0008	<0.0008				18.0		
MW 7	4/12/2006	0.1	0.043	0.0086	0.008				16.9		
MW 7	10/12/2006	0.13	0.0002 J	0.0006 J	0.0009 J				31.9		
MW 7	5/1/2007	<0.0002	<0.0002	<0.0002	<0.0006				18.4	293	
MW 7	10/24/2007	0.17	0.0003 J	0.010	0.004				18.5		
MW 7	5/20/2008	0.045	0.0009 J	0.0066	0.009				19.8		
MW 7	10/15/2008	0.0032	0.0003 J	<0.0002	<0.0006				18.2		
MW 7	4/16/2009	0.009	<0.0002	<0.0002	<0.0006				15.6		
MW 7	9/29/2009	0.0023	0.0009 J	<0.0002	<0.0006				16		
MW 7	4/5/2010	0.0040	0.0003 J	<0.0002	<0.0006						
MW 7	10/5/2010	0.0066	<0.0002	<0.0002	<0.0006						
MW 7	4/20/2011	<0.00020	0.0046	<0.00020	<0.00070	<0.020	<0.020		19.0		
MW 7	10/20/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		20.7		
MW 7	4/24/2012	<0.00100	0.00405	<0.00100	<0.00100	<1.50	<1.50		20.8		
MW 7	11/12/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		17.8		
MW 7	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 7	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 7	2/13/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 7	10/29/2014	0.00408	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 7	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 7	10/29/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 7	3/3/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 7	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 7	3/3/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 7	9/1/2017	1.05	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 7	4/6/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 7	8/29/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 7	1/29/2019	0.00061	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C6-C36	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 7	12/20/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 7	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0523	0.116	27.2		
MW 8	6/20/2002	1.23	<0.005	0.046	0.021				31.9	359	
MW 8	10/9/2002	0.579	<0.005	0.031	0.018						
MW 8	8/12/2003	0.673	0.001	0.010	0.013						
MW 8	8/10/2004	0.441	0.001	0.047	0.015				42.1	392	
MW 8	2/18/2005	2.32	0.010 J	0.048	0.021				56.3	532	
MW 8	12/21/2005	4.6	0.051	0.460	0.120				56.1		
MW 8	4/11/2006	3.4	0.170	0.170	0.072				50.6		
MW 8	10/12/2006	4.3	0.180	0.260	0.098				49.3		
MW 8	5/1/2007	4.1	0.016	0.200	0.093				48.9	429	
MW 8	10/24/2007	4.4	0.018	0.220	0.086				52.9		
MW 8	5/21/2008	1.7	0.049	0.038	0.033				48.2		
MW 8	10/16/2008	5.3	0.0068 J	0.140	0.081				53.6		
MW 8	4/20/2009	6.1	0.130	0.200	0.110				46.9		
MW 8	9/30/2009	4.0	0.0085	0.120	0.067				42.8		
MW 8	4/6/2010	2.9	0.120	0.091	0.062						
MW 8	10/5/2010										NS LNAPL
MW 8	4/18/2011										NS LNAPL
MW 8	10/18/2011										NS LNAPL
MW 8	4/23/2012										NS LNAPL
MW 8	11/5/2012										NS LNAPL
MW 8	4/23/2013										NS LNAPL
MW 8	10/22/2013										NS LNAPL
MW 8	2/11/2014										NS LNAPL
MW 8	10/27/2014										NS LNAPL
MW 8	2/24/2015										NS LNAPL
MW 8	10/26/2015										NS LNAPL
MW 8	2/29/2016										NS LNAPL
MW 8	8/22/2016										NS LNAPL
MW 8	3/3/2017										NS LNAPL
MW 8	8/31/2017	3.25	2.92	0.728	1.11	24.5	8.17	35.6			
MW 8	4/3/2018										NS LNAPL
MW 8	8/29/2018	3.62	1.37	0.292	0.40	24.8	2.85	27.7			
MW 8	1/29/2019	1.67	0.0147	0.0618	0.0886	6.77	1.02	7.79			
MW 8	12/16/2019										NS LNAPL
MW 8	6/30/2022										NS LNAPL
MW 9	10/9/2002	0.004	0.001	<0.001	0.023						
MW 9	8/12/2003	0.083	0.002	<0.001	0.007						
MW 9	8/10/2004	0.004	0.001	0.0003	0.002				230	915	
MW 9	2/18/2005	0.001 J	<0.001	0.0002 J	0.009				34.0	625	
MW 9	12/21/2005	0.001 J	<0.0007	<0.0008	0.019				23.9		
MW 9	4/11/2006	0.30	0.150	0.027	0.032				77.5		
MW 9	10/12/2006	0.46	0.093	0.025	0.025				58.8		
MW 9	5/1/2007	0.710	0.0005 J	0.0021	0.003				136	677	
MW 9	10/24/2007	0.11	<0.001	0.0057	0.012				31.2		
MW 9	5/21/2008	2.70	0.016	0.0072	0.0093 J				95.1		
MW 9	10/16/2008										NS no access
MW 9	4/20/2009	2.60	0.0075 J	0.017	0.012 J				110		
MW 9	9/30/2009	3.20	0.0021	0.0025	0.0023 J				141		
MW 9	4/6/2010	5.500	0.057	0.061	0.081						
MW 9	10/7/2010	3.100	0.027	0.072	0.013 J						
MW 9	4/26/2011	4.700	0.069	0.059	0.011	9.320	<0.050		155		
MW 9	10/18/2011										NS LNAPL
MW 9	4/23/2012										NS LNAPL
MW 9	11/5/2012										NS LNAPL
MW 9	4/23/2013										NS LNAPL
MW 9	10/22/2013										NS LNAPL
MW 9	2/11/2014										NS LNAPL
MW 9	10/27/2014										NS LNAPL
MW 9	2/24/2015										NS LNAPL

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_{6}-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 9	10/26/2015										NS LNAPL
MW 9	2/29/2016										NS LNAPL
MW 9	8/22/2016										NS LNAPL
MW 9	3/3/2017										NS LNAPL
MW 9	8/30/2017										NS LNAPL
MW 9	4/3/2018										NS LNAPL
MW 9	8/29/2018										NS LNAPL
MW 9	1/29/2019										NS LNAPL
MW 9	12/19/2019										NS LNAPL
MW 9	6/30/2022										NS LNAPL
MW 10	10/8/2002	0.029	<0.001	<0.001	<0.001						
MW 10	8/12/2003	0.060	<0.001	<0.001	<0.001						
MW 10	8/11/2004	0.050	0.0002	0.0004	0.001				35.4	328	
MW 10	2/18/2005	0.022	<0.001	<0.001	<0.001				36.5	380	
MW 10	12/20/2005	0.024	<0.0007	0.002 J	0.002 J				48.1		
MW 10	4/11/2006	0.0033	0.0003 J	<0.0002	<0.0006				38.4		
MW 10	10/11/2006	0.0037	<0.0002	<0.0002	<0.0006				33.3		
MW 10	4/26/2007	0.0002 J	<0.0002	<0.0002	<0.0006				41.8	311	
MW 10	10/22/2007	<0.0002	<0.0002	<0.0002	<0.0006				30.2		
MW 10	5/16/2008	0.0041	<0.0002	0.001	<0.0006				32.5		
MW 10	10/14/2008	<0.005	0.0003 J	<0.0002	<0.0006				33.1		
MW 10	4/16/2009	0.034	0.0005 J	0.002	0.0015 J				31.7		
MW 10	9/29/2009	0.0032	0.0018	0.0005 J	<0.0006				30.9		
MW 10	4/6/2010	0.0044	0.0003 J	<0.0002	<0.0006						
MW 10	10/5/2010	0.0051	<0.0002	<0.0002	<0.0006						
MW 10	4/20/2011	<0.00020	0.0015	<0.00020	<0.00070	<0.020	<0.020		42.7		
MW 10	10/20/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		38.0		
MW 10	4/25/2012	<0.00100	0.00311	<0.00100	<0.00100	<1.50	<1.50		37.5		
MW 10	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		30.1		
MW 10	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 10	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 10	2/12/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 10	10/29/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 10	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 10	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 10	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 10	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 10	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 10	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 10	4/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 10	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 10	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 10	6/30/2022	Damaged	not	sampled							
MW 11	10/8/2002	<0.001	<0.001	<0.001	<0.001						
MW 11	8/13/2003	<0.001	<0.001	<0.001	<0.001						
MW 11	8/11/2004	<0.001	<0.001	<0.001	<0.001				47.9	340	
MW 11	2/18/2005	<0.001	<0.001	<0.001	<0.001				50.1	441	
MW 11	12/20/2005	0.0006 J	<0.0007	<0.0008	<0.0008				43.1		
MW 11	4/11/2006	0.0009 J	0.0002 J	<0.0002	<0.0006				39.8		
MW 11	10/11/2006	0.0005 J	0.0003 J	<0.0002	<0.0006				56.1		
MW 11	4/26/2007	0.0003 J	<0.0002	<0.0002	<0.0006				70.6	268	
MW 11	10/22/2007	<0.0002	<0.0002	<0.0002	<0.0006				38.7		
MW 11	5/14/2008	0.0014	<0.0002	0.0007 J	<0.0006				65		
MW 11	10/14/2008	0.0003 J	0.0002 J	<0.0002	<0.0006				97.4		
MW 11	4/16/2009										Destroyed
MW 12	10/8/2002	<0.001	<0.001	<0.001	<0.001						
MW 12	8/13/2003	<0.001	<0.001	<0.001	<0.001						
MW 12	8/11/2004	<0.001	<0.001	<0.001	<0.001				40.8	324	
MW 12	2/18/2005	0.001 J	<0.001	<0.001	<0.001				45.2	378	
MW 12	12/20/2005	<0.0005	<0.0007	<0.0008	<0.0008				41.3		

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_{6}-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 12	4/11/2006	0.0007 J	<0.0002	<0.0002	<0.0006				37.2		
MW 12	10/11/2006	<0.0002	0.0002 J	<0.0002	<0.0006				103		
MW 12	4/26/2007	<0.0002	<0.0002	<0.0002	<0.0006				41	263	
MW 12	10/22/2007	0.0002 J	<0.0002	<0.0002	<0.0006				65.2		
MW 12	5/14/2008	0.0009 J	<0.0002	0.0006 J	<0.0006				45.9		
MW 12	10/14/2008	0.0002 J	0.0003 J	0.0002 J	<0.0006				49.2		
MW 12	4/16/2009	0.066	0.0008 J	0.0028	0.0021 J				46.4		
MW 12	9/30/2009	0.0045	0.0024	0.0006 J	0.0006 J				40.1		
MW 12	4/6/2010	0.0005 J	<0.0002	<0.0002	<0.0006						
MW 12	10/6/2010	0.0012	<0.0002	<0.0002	<0.0006						
MW 12	4/19/2011	<0.00020	0.0043	<0.00020	<0.00070	<0.020	<0.020		45.5		
MW 12	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		46.3		
MW 12	4/25/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		45.1		
MW 12	11/12/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		38.5		
MW 12	4/23/2013										NS well
MW 12	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 12	2/11/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 12	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 12	2/25/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	6.32	6.32			
MW 12	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 12	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 12	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 12	3/3/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 12	8/29/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 12	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		529	
MW 12	8/29/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 12	1/31/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 12	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 12	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0559	<0.0118	40.9		
MW 13	10/8/2002	0.065	<0.001	<0.001	<0.001						
MW 13	8/13/2003	0.060	0.002	<0.001	<0.001						
MW 13	8/11/2004	0.004	<0.001	<0.001	<0.001				62.0	400	
MW 13	2/18/2005	0.003	<0.001	<0.001	<0.001				72.4	427	
MW 13	12/20/2005	0.038	<0.0007	<0.0008	<0.0008				86.4		
MW 13	4/12/2006	0.170	0.015	0.005	0.005				115		
MW 13	10/11/2006	0.0039	<0.0002	<0.0002	<0.0006				103		
MW 13	5/3/2007	0.031	0.0005 J	0.0008 J	0.0011 J				114	495	
MW 13	10/22/2007										NS obstructed
MW 13	5/20/2008	0.380	0.0062	0.0049	0.004				112		
MW 13	10/20/2008	0.028	0.0018	0.0003 J	0.0008 J				114		
MW 13	4/16/2009	0.037	<0.0002	<0.0002	0.0007 J				112		
MW 13	9/30/2009	0.025	0.0015	0.0007 J	0.0022 J				101		
MW 13	4/6/2010	0.0030	0.0002 J	<0.0002	<0.0006						
MW 13	10/5/2010	0.0042	<0.0002	<0.0002	<0.0006						
MW 13	4/20/2011	<0.00020	0.0016	<0.00020	<0.00070	<0.020	<0.020		76.5		
MW 13	10/20/2011	0.00139	<0.00200	<0.00100	<0.00100	<1.50	<1.50		75.0		
MW 13	4/26/2012	0.00158	0.00288	<0.00100	<0.00100	<1.50	<1.50		81.1		
MW 13	11/7/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		76.7		
MW 13	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 13	10/24/2013	0.0192	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 13	2/11/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 13	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 13	2/25/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 13	10/27/2015	<0.00100	<0.00200	<0.00100		<1.41	<1.41	<1.41			
MW 13	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 13	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 13	3/1/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 13	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 13	4/4/2018	0.00202	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 13	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 13	1/30/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_{6}-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 13	12/18/2019	<0.00018	<0.00020	<0.00021	<0.000237	<1.50	<1.50	<1.50			
MW 13	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0551	1.35	76.9		
MW 14	10/9/2002	3.63	0.014	0.098	0.187						
MW 14	8/13/2003	1.65	0.014	0.165	0.260						
MW 14	8/11/2004	0.786	0.0464	0.172	0.227				111	791	
MW 14	2/18/2005	1.34	0.0378	0.159	0.178				103	916	
MW 14	12/20/2005	2.80	0.049	0.750	0.670				82.1		
MW 14	4/12/2006	0.93	0.053	0.055	0.053				30.7		
MW 14	10/12/2006										NS
MW 14	4/30/2007	0.880	0.005 J	0.200	0.280				29.8	669	
MW 14	10/23/2007	0.77	0.0057	0.160	0.210				21.8		
MW 14	5/20/2008	0.970	0.0067	0.180	0.210				20.1		
MW 14	10/20/2008	1.50	0.027	0.220	0.270				26.2		
MW 14	4/16/2009	0.86	0.0051	0.140	0.240				17.2		
MW 14	9/29/2009	0.56	0.012	0.057	0.160				14.8		
MW 14	4/6/2010	0.540	0.0042	0.083	0.180						
MW 14	10/6/2010	0.170	0.028	0.0068	0.086						
MW 14	4/20/2011	0.460	0.0022	0.00088 J	0.0035	1.04	0.69		31.4		
MW 14	10/19/2011	1.48	<0.200	<0.100	<0.100	<1.50	1.560		55.9		
MW 14	4/26/2012	0.487	<0.0400	<0.0200	<0.0200	<1.50	<1.50		55.8		
MW 14	11/7/2012	0.104	<0.00200	<0.00100	<0.00100	<1.50	<1.50		69.7		
MW 14	4/25/2013	0.203	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 14	10/24/2013	0.162	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 14	2/13/2014	0.128	<0.00200	<0.00100	0.00300	<1.50	<1.50	<1.50			
MW 14	10/29/2014	0.00813	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 14	3/2/2015	0.0194	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 14	10/28/2015	0.0186	<0.00200	<0.00100	<0.00100	<1.41	<2.13	<2.13			
MW 14	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	1.9	<1.41	1.9			
MW 14	8/24/2016	0.00676	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 14	3/1/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 14	8/31/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 14	4/4/2018	0.00766	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 14	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 14	1/30/2019	0.00904	<0.00200	<0.00200	<0.00200	0.002	<1.50	<1.50			
MW 14	12/19/2019	0.001	<0.00020	<0.00021	0.00080 J	<1.50	<1.50	<1.50			
MW 14	6/30/2022	<0.000113	<0.0050	<0.000137	<0.000174	0.221	0.302	983	12.1		
MW 15	10/9/2002	<0.001	<0.001	<0.001	<0.001						
MW 15	8/13/2003	<0.001	<0.001	<0.001	<0.001						
MW 15	8/12/2004	<0.001	<0.001	<0.001	<0.001				60.3	450	
MW 15	2/18/2005	<0.001	<0.001	<0.001	<0.001				78.0	462	
MW 15	12/20/2005	0.006	<0.0007	0.003 J	0.002 J				79.2		
MW 15	4/12/2006	0.58	0.054	0.018	0.016				54.8		
MW 15	10/11/2006	0.034	<0.0002	0.0008 J	<0.0006				91.6		
MW 15	4/30/2007	0.0005 J	<0.0002	<0.0002	<0.0006				94.7	433	
MW 15	10/23/2007	0.0011	<0.0002	<0.0002	<0.0006				88.3		
MW 15	5/19/2008	<0.0002	<0.0002	0.0003 J	<0.0006				99.5		
MW 15	10/14/2008	0.0012	0.0021	0.0007 J	0.0016 J				78.6		
MW 15	4/15/2009	<0.0002	<0.0002	<0.0002	<0.0006				79.7		
MW 15	9/29/2009	0.0065	0.0030	0.0007 J	0.0008 J				84.0		
MW 15	4/5/2010	0.0082	0.0003 J	<0.0002	0.0007 J						
MW 15	10/5/2010	0.029	<0.0002	<0.0002	0.0011 J						
MW 15	4/26/2011	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		95.1		
MW 15	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		70.8		
MW 15	4/25/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		78.1		
MW 15	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		76.6		
MW 15	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 15	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 15	2/12/2014	0.00134	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 15	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 15	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 15	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C6-C36	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 15	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 15	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	8/31/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	4/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	9/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	1/30/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 15	12/19/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 15	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0519	0.14	51.3		
MW 16	10/23/2003	<0.001	<0.001	<0.001	<0.001				60.3	381	
MW 16	8/12/2004	<0.001	<0.001	<0.001	<0.001				56.6	346	
MW 16	2/18/2005	<0.001	<0.001	<0.001	<0.001				60.0	596	
MW 16	12/20/2005	0.007	<0.0007	0.002 J	0.001 J				48.3		
MW 16	4/12/2006	0.11	0.024	0.011	0.010				33.3		
MW 16	10/11/2006	0.064	<0.0002	0.001	0.0006 J				49.3		
MW 16	4/26/2007	0.001 J	<0.0002	<0.0002	<0.0006				59.5	176	
MW 16	10/23/2007	<0.0002	<0.0002	<0.0002	<0.0006				46.4		
MW 16	5/19/2008	0.0007 J	<0.0002	0.0004 J	<0.0006				53.6		
MW 16	10/14/2008	0.0007 J	0.0025	0.0005 J	0.0012 J				57.1		
MW 16	4/15/2009	<0.0002	<0.0002	<0.0002	<0.0006				49.1		
MW 16	9/29/2009	0.0094	0.0037	0.0007 J	0.0008 J				51.8		
MW 16	4/5/2010	<0.0002	<0.0002	<0.0002	<0.0006						
MW 16	10/5/2010	<0.0002	<0.0002	<0.0002	<0.0006						
MW 16	4/19/2011	<0.00020	0.0030	<0.00020	<0.00070	<0.020	<0.020		53.1		
MW 16	10/18/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	1.64		53.6		
MW 16	4/24/2012	<0.00100	0.00333	<0.00100	<0.00100	<1.50	<1.50		84.1		
MW 16	11/7/2012	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50		53.7		
MW 16	4/24/2013	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50				
MW 16	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 16	2/12/2014	0.00431	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 16	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 16	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 16	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 16	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 16	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	2/28/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	4/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	9/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	2/1/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 16	12/19/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 16	6/30/2022	0.000107	<0.000278	<0.000137	<0.000174	<0.0314	0.0316	0.115	69.1		
MW 17	10/23/2003	<0.001	<0.001	<0.001	<0.001				292	1,090	
MW 17	8/12/2004	<0.001	<0.001	<0.001	<0.001				230	894	
MW 17	2/18/2005	<0.001	<0.001	<0.001	<0.001				160	758	
MW 17	12/20/2005	0.053	<0.004	<0.004	<0.004				116		
MW 17	4/12/2006	0.5	0.07	0.012	0.013				55.4		
MW 17	10/11/2006	0.17	<0.0002	0.0024	0.0014 J				154		
MW 17	4/30/2007	0.001	<0.0002	<0.0002	<0.0006				145	668	
MW 17	10/23/2007	0.0029	<0.0002	<0.0002	<0.0006				117		
MW 17	5/19/2008	0.0005 J	<0.0002	0.0003 J	<0.0006				133		
MW 17	10/14/2008	0.0007 J	0.0022	0.0005 J	0.0012 J				144		
MW 17	4/15/2009	<0.0002	<0.0002	<0.0002	<0.0006				77.2		
MW 17	9/29/2009	0.0081	0.0034	0.0008 J	0.0012 J				46.3		
MW 17	4/5/2010	0.270	<0.0002	0.0005 J	0.0080						
MW 17	10/5/2010	1.300	<0.0002	0.0017	0.021						
MW 17	4/26/2011	0.220	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		33.4		
MW 17	10/20/2011	0.127	<0.00200	<0.00100	<0.00100	<1.50	1.87		28.2		
MW 17	4/26/2012	0.203	<0.0400	<0.0200	<0.0200	<1.50	<1.50		30.6		
MW 17	11/7/2012	0.243	<0.00200	<0.00100	0.00261	<1.50	<1.50		34.3		
MW 17	4/25/2013	6.980	<0.20000	<0.10000	<0.10000	<8.20	<1.50				

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LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_{6}-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 17	10/24/2013	12.1	<0.100	<0.0500	0.0710	11.1	<1.50	<11.10			
MW 17	2/14/2014	19.8	<0.100	<0.0500	0.0500	20.9	<1.50	20.9			
MW 17	10/30/2014	22.3	<0.200	<0.100	<0.100	24.7	<1.48	24.7			
MW 17	3/3/2015	23.8	<0.200	<0.100	<0.101	29.9	<1.50	29.9			
MW 17	10/28/2015	18.8	<0.100	<0.128	0.5890	27.4	<1.41	27.4			
MW 17	3/2/2016	0.279	<0.00200	<0.00100	<0.00100	13.9	<1.41	13.9			
MW 17	8/24/2016	0.0927	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 17	3/1/2017	0.336	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 17	8/30/2017	4.32	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW 17	4/4/2018	2.50	<0.00200	<0.00200	<0.00200	5.23	<1.50	5.23			
MW 17	9/4/2018	0.463	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW 17	1/31/2019	2.22	0.00041	<0.00200	0.00071	4.00	<1.50	<1.50			
MW 17	12/19/2019	6.9	0.00040	0.0076 J	0.016 J	23.00	<1.50	23			
MW 17	6/30/2022	6.65	<0.000279	<0.000684	<0.000528	12.9	0.336	13.394			
MW 18	10/23/2003	0.07	<0.001	<0.001	<0.001				81.5	637	
MW 18	8/11/2004	0.307	<0.001	<0.001	0.001				92.2	641	
MW 18	2/18/2005	0.430	<0.001	<0.001	<0.001				98.2	782	
MW 18	12/20/2005	0.530	<0.0007	0.005	0.010				102		
MW 18	4/12/2006	0.180	0.017	0.015	0.016				89.2		
MW 18	10/12/2006	0.042	<0.0002	<0.0002	<0.0006				104		
MW 18	4/30/2007	0.180	<0.0002	<0.0002	0.0013 J				105	665	
MW 18	10/23/2007	0.260	<0.0002	<0.0002	0.0014 J				92.5		
MW 18	5/19/2008	0.460	0.011	0.0098	0.008				110		
MW 18	10/20/2008	0.110	0.0005 J	0.0009 J	0.0018 J				115		
MW 18	4/16/2009	0.140	0.0013	0.0037	0.0028 J				97.1		
MW 18	9/30/2009	0.0099	0.0029	0.0007 J	0.0008 J				100		
MW 18	4/6/2010	0.0045	<0.0002	<0.0002	<0.0006						
MW 18	10/6/2010	0.0015	<0.0002	<0.0002	<0.0006						
MW 18	4/19/2011	<0.00020	0.0030	<0.00020	<0.00070	<0.020	<0.020		73.9		
MW 18	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		48.0		
MW 18	4/25/2012	<0.00100	0.00310	<0.00100	<0.00100	<1.50	<1.50		105		
MW 18	11/7/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		68.7		
MW 18	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 18	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 18	2/12/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 18	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 18	2/25/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 18	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 18	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 18	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	3/1/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	8/31/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	4/4/2018	0.00506	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	1/29/2019	0.00043	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 18	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 18	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.201	0.825			
MW 19	10/22/2003	1.99	0.334	0.089	0.115				62.0	554	
MW 19	8/9/2004	11.7	2.9	0.408	0.387				44.3	492	
MW 19	2/18/2005	10.8	2.16	0.183	0.145				56.6	369	
MW 19	12/21/2005	23.0	5.4	0.850	0.930				36.7		
MW 19	4/11/2006	16.0	2.4	0.320	0.360				52.8		
MW 19	10/12/2006	11.0	2.0	0.350	0.400				53.6		
MW 19	5/1/2007	13.0	2.0	0.370	0.440				64.2	377	
MW 19	10/24/2007	11.0	1.1	0.350	0.430				62.2		
MW 19	5/8/2008										NS LNAPL
MW 19	10/8/2008										NS LNAPL
MW 19	4/16/2009										NS LNAPL
MW 19	9/28/2009										NS LNAPL
MW 19	4/5/2010										NS LNAPL
MW 19	10/5/2010										NS LNAPL

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 19	4/18/2011										NS LNAPL
MW 19	10/18/2011										NS LNAPL
MW 19	4/23/2012										NS LNAPL
MW 19	11/5/2012										NS LNAPL
MW 19	4/23/2013										NS LNAPL
MW 19	10/22/2013										NS LNAPL
MW 19	2/11/2014										NS LNAPL
MW 19	10/27/2014										NS LNAPL
MW 19	2/24/2015										NS LNAPL
MW 19	10/26/2015										NS LNAPL
MW 19	2/29/2016										NS LNAPL
MW 19	8/22/2016										NS LNAPL
MW 19	3/3/2017										NS LNAPL
MW 19	8/30/2017										NS LNAPL
MW 19	4/3/2018										NS LNAPL
MW 19	8/27/2018										NS LNAPL
MW 19	1/29/2019										NS LNAPL
MW 19	12/19/2019										NS LNAPL
MW 19	6/30/2022										NS LNAPL
MW 20	10/23/2003	<0.001	<0.001	<0.001	<0.001				42.5	441	
MW 20	8/11/2004	<0.001	<0.001	<0.001	<0.001				21.3	349	
MW 20	2/18/2005	<0.001	<0.001	<0.001	<0.001				21.1	446	
MW 20	12/20/2005	0.004 J	<0.0007	0.001 J	0.0008 J				18.2		
MW 20	4/11/2006	0.0004 J	<0.0002	<0.0002	<0.0006				17.4		
MW 20	10/11/2006	0.0005 J	<0.0002	<0.0002	<0.0006				21.7		
MW 20	4/26/2007	<0.0002	<0.0002	<0.0002	<0.0006				19.1	322	
MW 20	10/22/2007	<0.0002	<0.0002	<0.0002	<0.0006				17.2		
MW 20	5/14/2008	0.0037	<0.0002	0.0012	<0.0006				17.5		
MW 20	10/15/2008	0.0004 J	0.0004 J	<0.0002	<0.0006				19.1		
MW 20	4/16/2009	0.04	0.0006 J	0.0021	0.0016 J				18.3		
MW 20	9/28/2009	0.0086	0.0034	0.0007 J	0.0008 J				16.5		
MW 20	4/6/2010	0.0011	<0.0002	<0.0002	<0.0006						
MW 20	10/6/2010	0.0022	<0.0002	<0.0002	<0.0006						
MW 20	4/19/2011	<0.00020	0.0039	<0.00020	<0.00070	<0.020	<0.020		15.6		
MW 20	10/20/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		15.6		
MW 20	4/25/2012	<0.00100	0.00452	<0.00100	<0.00100	<1.50	<1.50		16.5		
MW 20	11/9/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		13.3		
MW 20	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 20	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 20	2/13/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 20	10/29/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 20	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 20	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 20	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 20	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	4/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	1/30/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 20	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 20	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	<0.0222	0.024	36.6		
MW 21	10/23/2003	<0.001	<0.001	<0.001	<0.001				40.8	455	
MW 21	8/12/2004	<0.001	<0.001	<0.001	<0.001				31.9		
MW 21	2/18/2005	<0.001	<0.001	<0.001	<0.001				35.4	405	
MW 21	12/21/2005	0.01	<0.0007	0.002 J	0.002 J				43.7		
MW 21	4/12/2006	0.02	0.010	0.004	0.004				22.0		
MW 21	10/12/2006	0.30	0.140	0.026	0.029				38.7		
MW 21	4/30/2007	<0.0002	<0.0002	<0.0002	<0.0006				20.3	306	
MW 21	10/23/2007	<0.0002	<0.0002	<0.0002	<0.0006				20.6		
MW 21	5/19/2008	0.0018	<0.0002	0.0006 J	<0.0006				26.8		

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 21	10/20/2008	0.0098	0.0027	0.0002 J	<0.0006				22.3		
MW 21	4/21/2009	0.031	0.0009 J	0.0022	0.0018 J				19.1		
MW 21	9/28/2009										NS construction
MW 21	4/5/2010										NS construction
MW 21	10/6/2010	0.0007 J	<0.0002	<0.0002	<0.0006						
MW 21	4/21/2011	<0.00020	0.0023	<0.00020	<0.00070	<0.020	<0.020		37.7		
MW 21	10/18/2011										NS Chevron
MW 21	4/24/2012	<0.00100	0.00424	<0.00100	<0.00100	<1.50	<1.50		69.4		
MW 21	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		63.8		
MW 21	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 21	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 21	2/12/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 21	10/29/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 21	3/2/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 21	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 21	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 21	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 21	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 21	8/31/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 21	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 21	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	252	683	
MW 21	1/31/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	263	972	
MW 21	12/17/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50	240 B	1100	
MW 21	6/30/2022	0.000169	<0.000278	<0.000137	<0.000174	<0.0314	<0.0618	0.142	92.4		
MW 22	10/23/2007	0.0005 J	<0.0002	<0.0002	<0.0006				172		
MW 22	5/19/2008	0.0008 J	<0.0002	0.0004 J	<0.0006				171		
MW 22	10/14/2008	0.0021	0.003	0.0018	0.004				185		
MW 22	4/15/2009	0.0003 J	<0.0002	<0.0002	<0.0006				353		
MW 22	9/28/2009	0.0046	0.0023	0.0006 J	0.0007 J				249		
MW 22	4/5/2010	0.0027	0.0002 J	<0.0002	<0.0006						
MW 22	10/5/2010	0.012	<0.0002	<0.0002	0.0007 J						
MW 22	4/21/2011	<0.00020	0.0028	<0.00020	<0.00070	<0.020	<0.020		544		
MW 22	10/18/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		396		
MW 22	4/25/2012	<0.00100	0.00447	<0.00100	<0.00100	<1.50	<1.50		401		
MW 22	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		263		
MW 22	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		116		
MW 22	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 22	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		164		
MW 22	2/12/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50	242		
MW 22	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48	350		
MW 22	2/25/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 22	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 22	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 22	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	85.8	452	
MW 22	2/28/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	253	792	
MW 22	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	753	2420	
MW 22	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		836	
MW 22	9/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 22	2/1/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 22	12/19/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 22	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.103	0.281	39.6		
MW 23	10/23/2007	0.0002 J	<0.0002	<0.0002	<0.0006				108		
MW 23	5/15/2008	0.0041	<0.0002	0.0006 J	<0.0006				60.5		
MW 23	10/14/2008	0.0027	0.0046	0.0009 J	0.0021 J				66.8		
MW 23	4/14/2009	<0.0002	<0.0002	<0.0002	<0.0006				73.2		
MW 23	9/28/2009	0.011	0.004	0.0009 J	0.001 J				107		
MW 23	4/5/2010	<0.0002	0.0004 J	<0.0002	<0.0006						
MW 23	10/5/2010	<0.0002	<0.0002	<0.0002	<0.0006						
MW 23	4/19/2011	<0.00020	0.0034	<0.00020	<0.00070	<0.020	<0.020		75.5		
MW 23	10/18/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		110		
MW 23	4/25/2012	<0.00100	0.00380	<0.00100	<0.00100	<1.50	<1.50		130		

TABLE 2
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 23	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		151		
MW 23	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 23	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 23	2/12/2014	0.01970	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 23	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 23	2/25/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 23	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 23	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 23	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	9/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	2/1/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 23	12/19/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 23	6/30/2022	Unable to	Locate								
MW 24	10/22/2007	0.0026	<0.0002	<0.0002	<0.0006				80.4		
MW 24	5/15/2008	0.023	<0.0002	0.0007 J	<0.0006				28.8		
MW 24	10/15/2008	0.002	0.0003 J	<0.0002	<0.003				33.4		
MW 24	4/16/2009	0.079	0.0009 J	0.0028	0.0022 J				30		
MW 24	9/28/2009	0.0067	0.0024	0.0006 J	0.0007 J				28.5		
MW 24	4/6/2010	0.590	0.028	0.037	0.022						
MW 24	10/6/2010	0.0030	<0.0002	<0.0002	<0.0006						
MW 24	4/20/2011	<0.00020	0.0024	<0.00020	<0.00070	<0.020	<0.020		61.6		
MW 24	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		59.5		
MW 24	4/25/2012	<0.00100	0.00302	<0.00100	<0.00100	<1.50	<1.50		87.4		
MW 24	11/9/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		89.6		
MW 24	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW 24	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 24	2/13/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 24	10/29/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW 24	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW 24	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 24	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 24	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	3/3/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	4/4/2018	0.00289	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	1/30/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 24	12/17/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 24	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.129	0.182			
MW 25	6/4/2015	<0.00100	<0.00200	<0.00100	<0.00100			<0			
MW 25	10/28/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 25	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 25	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	8/30/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	4/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	1/30/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 25	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 25	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.035	0.085	84.8		
MW 26	6/4/2015	0.11200	<0.00200	<0.00149	<0.00900			<0			
MW 26	10/29/2015	0.03420	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 26	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW 26	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 26	3/2/2017	0.01580	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 26	8/30/2017	0.00639	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 26	4/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 26	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
MW 26	1/30/2019	0.00112	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW 26	12/17/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW 26	6/30/2022	0.000268	<0.000278	<0.000137	<0.000174	<0.0314	0.0723	<0.0118	60.6		
EW 1	10/4/2010										NS LNAPL
EW 1	4/18/2011										NS LNAPL
EW 1	10/18/2011										NS LNAPL
EW 1	4/23/2012										NS LNAPL
EW 1	11/5/2012										NS LNAPL
EW 1	4/23/2013										NS LNAPL
EW 1	10/22/2013										NS LNAPL
EW 1	2/11/2014										NS LNAPL
EW 1	10/27/2014										NS LNAPL
EW 1	2/24/2015										NS LNAPL
EW 1	10/26/2015										NS LNAPL
EW 1	2/29/2016										NS LNAPL
EW 1	8/23/2016	0.451	0.0108	0.0342	0.0694	2.29	2.11	4.40			
EW 1	3/3/2017	0.379	0.00957	0.0202	0.0384	3.93	2.98	6.91			
EW 1	8/30/2017										NS LNAPL
EW 1	4/3/2018										NS LNAPL
EW 1	8/27/2018										NS LNAPL
EW 1	1/29/2019										NS LNAPL
EW 1	12/19/2019										NS LNAPL
EW 1	6/30/2022										NS LNAPL
TW 11	4/5/2010	<0.00020	<0.0002	<0.0002	<0.0006						
TW 11	10/5/2010	<0.00020	<0.0002	<0.0002	<0.0006						
TW 11	4/19/2011	<0.00020	0.0035	<0.00020	<0.00070	<0.020	<0.020		90.1		
TW 11	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		28.7		
TW 11	4/26/2012	<0.00100	0.00296	<0.00100	<0.00100	<1.50	<1.50		30.4		
TW 11	11/6/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		28.1		
TW 11	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW 11	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 11	2/11/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 11	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
TW 11	3/2/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 11	10/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW 11	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW 11	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	2/28/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	8/29/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	1/31/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 11	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW 11	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.1	0.185	143		
TW 13	4/5/2010	<0.0002	<0.0002	<0.0002	<0.0006						
TW 13	10/4/2010	<0.0002	<0.0002	<0.0002	<0.0006						
TW 13	4/19/2011	<0.00020	0.0036	<0.00020	<0.00070	<0.020	<0.020		94.8		
TW 13	10/18/2011	0.0311	<0.00200	<0.00100	<0.00100	<1.50	1.69		90.2		
TW 13	4/26/2012	<0.00100	0.00339	<0.00100	<0.00100	<1.50	<1.50		83.0		
TW 13	11/7/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		64.8		
TW 13	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW 13	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 13	3/2/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 13	10/27/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW 13	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW 13	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 13	2/28/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 13	8/31/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 13	4/4/2018	0.00292	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 13	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 13	1/29/2019	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_{6}-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
TW 13	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW 13	6/30/2022	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.132	0.19	102		
TW 20	11/6/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		53.5		
TW 20	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW 20	10/22/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 20	3/2/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW 20	10/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW 20	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW 20	8/25/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 20	2/28/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 20	8/29/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 20	4/3/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 20	8/28/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW 20	12/18/2019	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW 20	Plugged & Abandon April 2020										
Dup 1 (MW 24)	4/16/2009	0.077	0.0009 J	0.0028	0.0022 J				29.7		
Dup 2 (MW 3)	4/16/2009	0.46	0.067	0.011	0.019				51.5		
Dup 100 (MW 18)	9/30/2009	0.0096	0.0030	0.0007 J	0.0008 J				97.6		
Dup 200 (MW 4)	9/30/2009	17.00	0.110	0.310	0.140 J				56.7		
Dup 100 (MW 12)	4/6/2010	0.0005 J	<0.0002	<0.0002	<0.0006						
Dup 101 (MW 4)	4/6/2010	25.000	0.500	0.460	0.220 J						
Dup 1 (MW 20)	10/6/2010	0.0023	<0.0002	<0.0002	<0.0006						
Dup 2 (MW 1)	10/7/2010	3.400	0.0032 J	0.0011 J	<0.0030						
DUP1 (MW 12)	4/19/2011	<0.00020	0.0042	<0.00020	<0.00070	<0.020	<0.020		43.1		
DUP2 (MW 10)	4/20/2011	<0.00020	0.0021	<0.00020	<0.00070	<0.020	<0.020		43.3		
Dup 1 (MW 16)	10/18/2011	0.00105	<0.00200	<0.00100	<0.00100	<1.50	1.85		56.3		
Dup 2 (MW 4)	10/20/2011	21.8	<0.0500	0.0750	0.0560	20.2	2.16		77.3		
Trip Blank	10/18/2011	<0.00100	<0.00200	<0.00100	<0.00100						
Dup 04 (MW 20)	4/25/2012	<0.00100	0.00445	<0.00100	<0.00100	<1.50	<1.50		16.5		
Trip Blank	4/25/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup 2 (MW 4)	4/26/2012	17.0	<0.00100	<0.250	<0.250	15.7			77.0		
Dup1 (TW 20)	11/6/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup2 (TW 13)	11/7/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Trip Blank	11/9/2012	<0.00100	<0.00200	<0.00100	<0.00100						
Dup 1 (MW 10)											
Dup 2 (MW 1)											
Dup 1	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup 2	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dup03	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Trip Blank	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW 10)	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW 1)	10/24/2013	6.10	<0.0400	<0.0200	0.0366	6.38	<1.50	6.38			
Trip Blank	10/24/2013	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW 13)	2/10/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW 5)	2/12/2014	0.05590	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup3 (MW 17)	2/14/2014	18.80000	<0.10000	<0.05000	<0.05000	21.6	<1.50	21.6			
Trip Blank	2/14/2014	<0.00100	<0.00200	<0.00100	<0.00100						
Dup1 (MW 18)	10/28/2014	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
Dup2 (MW 17)	10/30/2014	23.4	<0.200	<0.100	<0.100	28.1	<1.48	28.1			
Dup1 (MW 16)	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW 7)	2/26/2015	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup3 (MW 2)	3/3/2015	0.0922	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup2 (MW 7)	2/26/2015	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup1 (MW 16)	2/26/2015	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dup 1 (MW 16)	10/27/2015	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup 1 (MW 16)	10/27/2015	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
DUP 2 (MW 26)	10/29/2015	0.0397	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup 1 (MW 23)	3/1/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup 2 (MW 26)	3/2/2016	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dup 3 (MW 1)	3/3/2016	1.23	<0.0400	<0.0200	<0.0200	2.25	<1.41	2.25			

TABLE 2
SUMMARY Of HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_{6}-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.01 mg/L*	*0.75 mg/L*	*0.75 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1000 mg/L*	
Dup 1 (MW 23)	8/24/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup 2 (MW 20)	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup 3 (MW 25)	8/26/2016	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup 1 (MW 23)	3/2/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup 2 (MW 24)	3/3/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup 3 (MW 12)	3/3/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 5)	8/31/2017	0.0993	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 6)	9/1/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (TW 20)	8/29/2017	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 15)	4/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 25)	4/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 7)	4/6/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 7)	8/29/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 15)	9/4/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 24)	9/5/2018	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dup (MW 4)	12/19/2019	12.00	<0.0040	0.044	0.030 J	33.00	0.19 J H	<0.26			
Dup (MW 14)	1/30/2019	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (MW 23)	2/1/2019	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dup (TW 20)	1/31/2019	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			

NOTES:
NMWQCC New Mexico Water Quality Control Commission mg/L milligrams per liter NA Not Analyzed
J Reported as an estimate
Cells shaded yellow indicate that concentration exceeds NMWQCC standard. Not sampled due to presence of LNAPL . LNAPL low density non aqueous liquids. NS Not sampled

Appendix C

Field Methodology

FIELD METHODOLOGY

Groundwater Sampling

Field equipment was decontaminated with an soap wash and distilled water rinse before beginning field activities and between wells.

Prior to sampling, static fluid water levels were measured with an electronic interface probe to the nearest hundredth of a foot and recorded. All non-disposable groundwater sampling equipment was thoroughly decontaminated between measurements to prevent possible cross-contamination between wells. New one liter Hydrasleeves™ were deployed in each well. The wells were allowed to equilibrate over night. The following day discrete samples were collected from each well. A Laboratory-supplied sample containers were filled directly from the Hydrasleeve™.

Groundwater samples were placed on ice in insulated coolers and chilled to a temperature of approximately 4°C. The coolers were sealed for shipment with proper chain-of-custody documentation. Groundwater samples were submitted by Kane under chain-of-custody (COC) protocol to Pace Analytical for analysis of BTEX by EPA Method 8260B and TPH diesel range organics (DRO) EPA Method 8015D/ gasoline range organics (GRO) by Method SW8015B. Chain of custody documentation was maintained throughout the sample collection and delivery process. Analysis were completed within required holding times.

Appendix D

SVE Operations

Buckeye Compressor Station
SVE System Operations

Prepared for:

MORNINGSTAR PARTNERS

400 West 7th Street
Fort Worth, Texas 76102

Prepared by:

KANE

Kane Environmental Engineering, Inc.
2351 East Highway 21
Lincoln, Texas 78948

Project 22-215

April 2023

TABLE OF CONTENTS

1.0 INTRODUCTION

On March 15, 2023 the NMOCD approve application ID: 196869 for MorningStar Operating Partners, which included the installation of a soil vapor extraction (SVE) system. The Buckeye Compressor Station is located immediately north of Texas Camp Road, approximately one mile southwest of Buckeye in Lea County, New Mexico. The site location is in Section 36, Township 17 South, Range 34 East at geographic coordinates 32° 47' 3.93"N, 103° 30' 30.08"W.

2.0 CONDITIONAL APPROVAL

The Oil Conservation Division (OCD) has reviewed and approved the subject work plan with the following conditions:

1. Morningstar's SVE system must be designed to have a minimum of 90% operational runtime, 24/7 start to finish.

2. On-site analog or digital runtime counter must be installed and viewable to OCD personnel. Any alternative method must be explained and pre-approved by OCD.

3. The following field data measurement parameters will be required and reported (prior to reaching vacuum pump);
   a. Total Extracted Flow Rate via a Flow Meter
   b. Flow Rates from each vapor extraction point/well (VEP)
   c. Volatile Organic Compound (VOC) Concentrations for each VEP and/or VEP cluster being implemented via Handheld Gas Analyzer (e.g. – Photo Ionization Detector (PID)
   d. Record vacuum pressure at each VEP and/or VEP cluster being implemented
   e. Oxygen (O_2) and carbon di-oxide (CO_2) levels via hand-held analyzers from each VEP and/or VEP cluster being implemented, prior to reaching vacuum pump and at discharge orifice or vent stack

4. The following minimum timeline will be required for the above data recordings;
   a. Daily for the first week
   b. Weekly for the next three (3) months
   c. Monthly thereafter for the first calendar year
   d. Then contingent upon the recorded data output

5. Any water condensation will be categorized as oil field waste and must be disposed of accordingly. System modifications to address increased water collection and disposal must be pre-approved by OCD.

6. Extracted vapor sampling (prior to reaching vacuum pump) for laboratory testing will be required as follows;

a. Approximately 15-30 minutes and approximately 8-10 hours after startup (or at the end of the same day if initial sample collected in early morning), one full round of sampling for constituents noted in b, c, & d below
b. BTEX per US EPA Method 8021B or 8260B
c. TPH per US EPA Method 8015M
d. O_2 and CO_2

NOTE: BTEX, TPH, O_2, and CO_2 will be analyzed Via **EPA Method TO-15** and **ASTM 1946D**. The change was approved by Nelson Velez on 8/14/2023.

7. The following timeline will be required for the above laboratory sampling elements;
   a. Weekly - next three (3) weeks (first month)
   b. Bi-weekly (twice a month) – next two (2) months (first quarter)
   c. Bi-Monthly (every other month) - next nine (9) months (first year)
   d. Quarterly – Year #2 until diminishing returns has been consistently documented

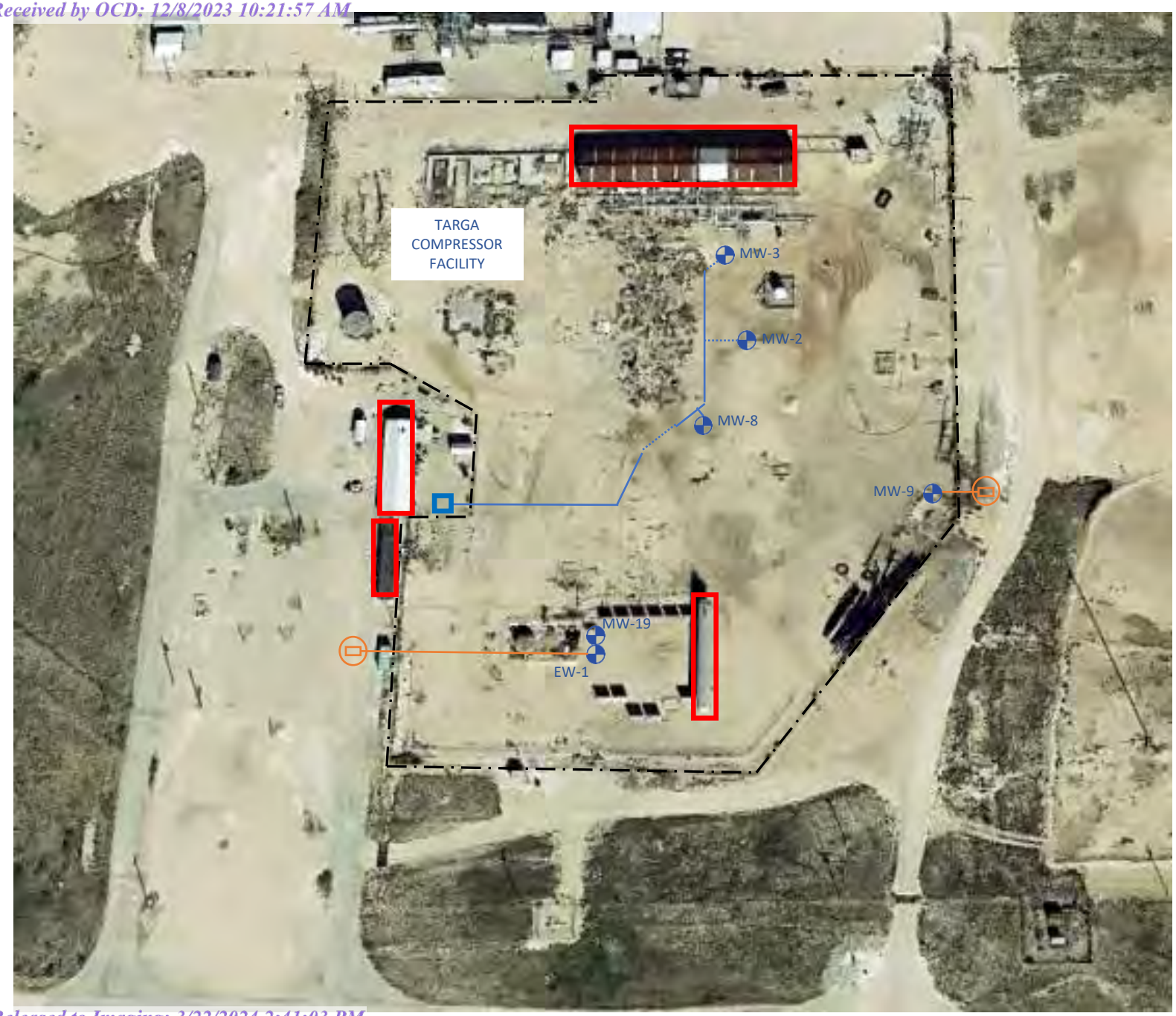
8. MorningStar must submit to OCD quarterly reports for the first 2 years of operation, then bi-annual thereafter, detailing the following;
   a. Summary of remediation activity
   b. Chart of O_2 & CO_2 levels over time
   c. SVE runtime
   d. SVE mass removal
   e. Product recovery, if applicable
   f. Laboratory air sample analysis, if applicable

9. MorningStar must notify OCD of its initial system startup which is required within 90 days of this approval. If this cannot be achieved, MorningStar must verify the delay within its request for a time extension.

10. MorningStar must submit to OCD a closure plan prior to initiating confirmation sampling for final remediation termination.

3.0 SVE SYSTEM INSTALLATON

MorningStar will have contract installers complete the following activities after final electrical supply modifications at Targa Compressor Station site. MW-2, MW-3, and MW-8 will be modified to accept a threaded cap to allow for the required vacuum port/gauge installation. Each will have 2inch o.d. poly piping will be connected to each well along with a full opening valve. The line will be routed from MW-3, to MW-2 and finally MW-8 as shown in **Figure 1** below. From there the pipeline will be routed westward and terminate outside the fenced Targa property near the Morningstar Mechanic Building. 3 in o.d. steel piping will the used to protect the poly piping in traffic areas. The power to the SVE system will be supplied by MorningStar. Morning Star personnel will operate and monitor the system. Emissions related to the system will be released from a vent located on the Morning Star property at approximately 10 ft above ground level. The emissions will be evaluated during the pilot study and controls will be installed as needed. There will be no impacts to the existing permit or air quality on the Targa site.



LEGEND:

- FENCE LINE
- MONITORING WELL LOCATION
- LNAPL ABOVE GROUND LINE
- LNAPL PUMP AND STORAGE TANK
- SVE ABOVE GROUND COLLECTION LINE
- SVE BURRIED COLLECTION LINE
- SVE BLOWER STATION
- EXISTING STRUCTURE OR VESSEL

BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

LNAPL and SVE Remediation Line Routing

KANE
ENVIRONMENTAL ENGINEERING, INC.

FIGURE
1

4.0 SAMPLING & REPORTING

Upon completion of the installation and system testing, the following program will be initiated as required.

Operations Log: System Start date and time will be established to ensure the required 90% uptime is being met. The run-time meter will be checked and logged each time data collection occurred or if any power interuption or runtime interuption occurs.

Field data measurement parameters: The following data measurement parameters are to be collected on a reductive scale based on successful system operations. Data log sheets have been attached as **Attachment 1** for client use upon turnover to plant operations.

a. Total Extracted Flow Rate via a Flow Meter
b. Flow Rates from each vapor extraction point/well (VEP)
c. Volatile Organic Compound (VOC) Concentrations for each VEP and/or VEP cluster being implemented via Handheld Gas Analyzer (e.g. – Photo Ionization Detector (PID)
d. Record vacuum pressure at each VEP and/or VEP cluster being implemented
e. Oxygen (O_2) and carbon di-oxide (CO_2) levels via hand-held analyzers from each VEP and/or VEP cluster being implemented, prior to reaching vacuum pump and at discharge orifice or vent stack

Liquid Collection: Any water condensation will be categorized as oil field waste and must be disposed of accordingly. All liquid and quantity data will be included in the facility logged data.

Laboratory Analysis: Extracted vapor sampling (prior to reaching vacuum pump) for laboratory testing will be required as follows;

BTEX, TPH, O_2, and CO_2 analyzed Via EPA Method TO-15 and ASTM 1946D.

1L Tedlar bags will be utilized to collect full stream vapors near the blower. A duplicate of each sample will be taken and all bags will be labeled, logged, and transfer to Pace Analytical under chain of custody. The prescribed schedule for extracted vapor sampling is included in **Attachment 1** and the sampling schedule calendar

Quarterly Report: Quarterly reporting, required for the first 2 years of operation, is required. Each report is required to submit a summary of remediation activity and the following data.

a. Chart of O_2 & CO_2 levels over time
b. SVE runtime
c. SVE mass removal
d. Product recovery, if applicable
e. Laboratory air sample analysis, if applicable

The **Attachment 1** log data records include all the requirements and will be submitted along with a cover letter including the quarterly summary.

ATTACHMENT 1

MorningStar Partners Soil Vapor Extraction System-Targa Compressor Station Application ID: 196869		
SVE System Start Date	Time	Meter Reading
10/25/2023	8:45	0.1
10/26/2023	9:00	24.2

MorningStar Partners Soil Vapor Extraction System-Targa Compressor Station Application ID: 196869														
Required Reading:	**Daily (Day-1)**		**Daily (Day-2)**		**Daily (Day-3)**		**Daily (Day-4)**		**Daily (Day-5)**		**Daily (Day-6)**		**Daily (Day-7)**	
Total Flow Rate (pre pump):	9.6	m/s	7.6	m/s		m/s		m/s		m/s		m/s		m/s
Flow Rate at each extraction point:														
MW-2	3.9	m/s	2.3	m/s		m/s		m/s		m/s		m/s		m/s
MW-3	2.73	m/s	4.2	m/s		m/s		m/s		m/s		m/s		m/s
MW-8	2.8	m/s	3.1	m/s		m/s		m/s		m/s		m/s		m/s
PID/Handheld **VOC** Readings for each point:														
MW-2	673	ppm	636	ppm		ppm		ppm		ppm		ppm		ppm
MW-3	474	ppm	532	ppm		ppm		ppm		ppm		ppm		ppm
MW-8	555	ppm	999	ppm		ppm		ppm		ppm		ppm		ppm
Handheld **O_2** Readings for each point:														
MW-2	12.02	ppm	12.6	ppm		ppm		ppm		ppm		ppm		ppm
MW-3	12.22	ppm	10.6	ppm		ppm		ppm		ppm		ppm		ppm
MW-8	9.52	ppm	7.2	ppm		ppm		ppm		ppm		ppm		ppm
Handheld **CO_2** Readings for each point:														
MW-2	4300	ppm	650	ppm		ppm		ppm		ppm		ppm		ppm
MW-3	1500	ppm	1700	ppm		ppm		ppm		ppm		ppm		ppm
MW-8	4700	ppm	3300	ppm		ppm		ppm		ppm		ppm		ppm
Vacuum Reading for each point:														
Full SVE at Vac Pump	-90	"Water	-90	"Water		"Water		"Water		"Water		"Water		"Water
MW-2	-6	"Hg	-6	"Hg		"Hg		"Hg		"Hg		"Hg		"Hg
MW-3	-6	"Hg	-6	"Hg		"Hg		"Hg		"Hg		"Hg		"Hg
MW-8	-6	"Hg	-6	"Hg		"Hg		"Hg		"Hg		"Hg		"Hg

MorningStar Partners Soil Vapor Extraction System-Targa Compressor Station Application ID: 196869													
Weekly (week 1 of 13)		Weekly (week 2 of 13)		Weekly (week 3 of 13)		Weekly (week 4 of 13)		Weekly (week 5 of 13)		Weekly (week 6 of 13)		Weekly (week 7 of 13)	
	m/s		m/s		m/s		m/s		m/s		m/s		m/s
	m/s		m/s		m/s		m/s		m/s		m/s		m/s
	m/s		m/s		m/s		m/s		m/s		m/s		m/s
	m/s		m/s		m/s		m/s		m/s		m/s		m/s
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	ppm		ppm		ppm		ppm		ppm		ppm		ppm
	ppm		ppm		ppm		ppm		ppm		ppm		ppm
	"Water		"Water		"Water		"Water		"Water		"Water		"Water
	"Hg		"Hg		"Hg		"Hg		"Hg		"Hg		"Hg
	"Hg		"Hg		"Hg		"Hg		"Hg		"Hg		"Hg
	"Hg		"Hg		"Hg		"Hg		"Hg		"Hg		"Hg

MorningStar Partners Soil Vapor Extraction System-Targa Compressor Station Application ID: 196869											
Weekly (week 8 of 13)		Weekly (week 9 of 13)		Weekly (week 10 of 13)		Weekly (week 11 of 13)		Weekly (week 12 of 13)		Weekly (week 13 of 13)	
	m/s		m/s		m/s		m/s		m/s		m/s
	m/s		m/s		m/s		m/s		m/s		m/s
	m/s		m/s		m/s		m/s		m/s		m/s
	m/s		m/s		m/s		m/s		m/s		m/s
	ppm		ppm		ppm		ppm		ppm		ppm
	ppm		ppm		ppm		ppm		ppm		ppm
	ppm		ppm		ppm		ppm		ppm		ppm
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	ppm		ppm		ppm		ppm		ppm		ppm
	ppm		ppm		ppm		ppm		ppm		ppm
	ppm		ppm		ppm		ppm		ppm		ppm
	"Water		"Water		"Water		"Water		"Water		"Water
	"Hg		"Hg		"Hg		"Hg		"Hg		"Hg
	"Hg		"Hg		"Hg		"Hg		"Hg		"Hg
	"Hg		"Hg		"Hg		"Hg		"Hg		"Hg

MorningStar Partners Soil Vapor Extraction System-Targa Compressor Station Application ID: 196869																
Required Reading:	**Month (February)**		**Month (March)**		**Month (April)**		**Month (May)**		**Month (June)**		**Month (July)**		**Month (August)**		**Month (September)**	
Total Flow Rate (pre pump):		m/s		m/s		m/s		m/s		m/s		m/s		m/s		m/s
Flow Rate at each extraction point:																
MW-2		m/s		m/s		m/s		m/s		m/s		m/s		m/s		m/s
MW-3		m/s		m/s		m/s		m/s		m/s		m/s		m/s		m/s
MW-8		m/s		m/s		m/s		m/s		m/s		m/s		m/s		m/s
PID/Handheld VOC Readings for each point:																
MW-2		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm
MW-3		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm
MW-8		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm
Handheld O_2 Readings for each point:																
MW-2		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm
MW-3		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm
MW-8		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm
Handheld CO_2 Readings for each point:																
MW-2		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm
MW-3		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm
MW-8		ppm		ppm		ppm		ppm		ppm		ppm		ppm		ppm
Vacuum Reading for each point:																
Full SVE at Vac Pump		"Water		"Water		"Water		"Water		"Water		"Water		"Water		"Water
MW-2		"Hg		"Hg		"Hg		"Hg		"Hg		"Hg		"Hg		"Hg
MW-3		"Hg		"Hg		"Hg		"Hg		"Hg		"Hg		"Hg		"Hg

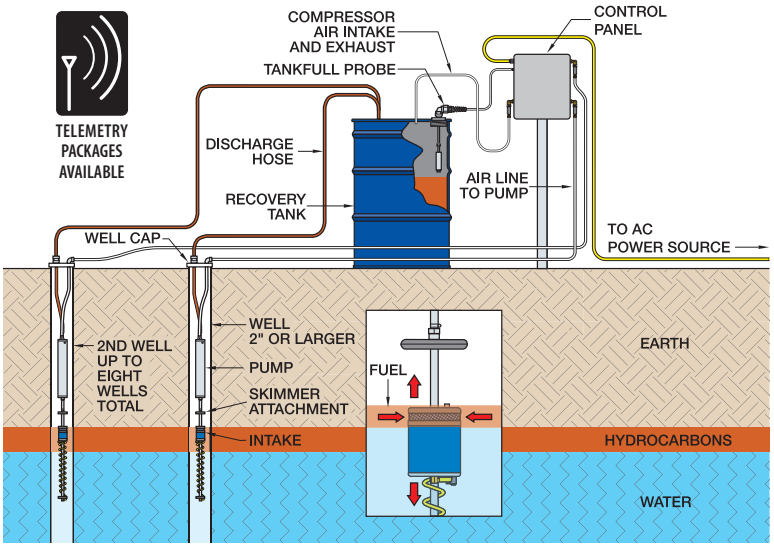
MorningStar Partners Soil Vapor Extraction System-Targa Compressor Station Application ID: 196869				
	Laboratory Analysis and EPA Method			
Sample Interval	**BTEX -EPA Method TO-15**	**TPH-ASTM Method D1946/ EPA 3C**	**O_2**	**CO_2**
Initial 15-30 minutes of operation				
Initial 8-10 hours or by end of first day				
Week 1 of 3				
Week 2 of 3				
Week 3 of 3				

Kane Environmental Engineering will Populate the Labaratory Analysis Data.

Continued Sampling Schedule is as follows:
Bi-Weekly (twice a month)-next two (2) months (first quarter)
Bi-Monthly (every other month) - next nine (9) months (first year)
Quarterly – Year #2 until diminishing returns has been consistently documented

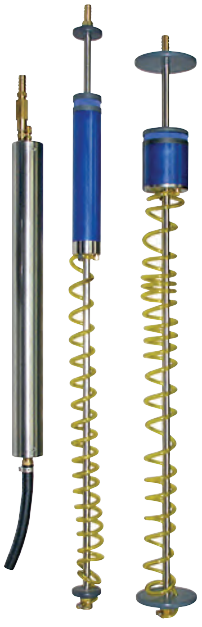
MorningStar Partners Soil Vapor Extraction System-Targa Compressor Station Application ID: 196869			
SVE System Scrubbed Liquid Quantity	Hydrocabon/Water	Data and Time	Liquid Placement (LNAPL TANK)

geotech



Control Panel and Pressure/Vacuum Pump
(eight-well controller shown)

Downwell Pump



2" and 4" Skimmers

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geotech

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- ✔ Choose from 1 to 8 wells
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  - Tankfull Shut-Off Switch (¾" or 2" NPT bung-fitting)
  - Microprocessor Controlled 2-Line LCD Display with four scroll buttons
  - On/Off Switch
  - Pressure/Vacuum Pump
  - Pressure/Vacuum Gauge

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  - Standard
  - With Conductivity Sensor
- ✔ Skimmer(s)
  - 2" or 4" Skimmer with 100 or 60 Mesh Intake
  - 2" or 4" Protective Screen
  - 4" Skimmer with Extended Travel
  - 4" Heavy Oil Skimmer
  - 4" High Temperature/Heavy Oil Skimmer
  - 2" DNAPL Intake

Other Options:

- ✔ 2" or 4" Slip Fit Well Cap(s)
- ✔ Choose Length: Air and Discharge Tubing
- ✔ 55 Gallon Steel Product Drum(s)
- ✔ Tank Manifold: 2 to 8 Wells
- ✔ Dual-Wall Containment Product Recovery Tank(s)
- ✔ Lockable Weatherproof Enclosure
- ✔ Trailer for Mounting Mobile System
- ✔ SitePro with SiteView Telemetry

SPECIFICATIONS

Applications:	2" (50 mm) or larger recovery wells
Recovery Rate:	.2 gallons (.76 liters) per cycle
Maximum Operating Depth:	180 feet (55 meters)
Power Requirements:	87 to 240 Volts AC 2.7 to 1 Amp(s)
Maximum Pressure:	100 PSIG (7 bar)
Maximum Vacuum:	20" Hg @ MSL (50 mm Hg)
Oil/Water Separation:	Oleophilic/hydrophobic mesh screen

Controller:	
Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature Range	-20° to 150°F (-29° to 66°C)
Humidity	90% non-condensing (max)
Size	10" D x 18" T x 16" W (25.4 cm D x 45.7 cm T x 40.6 cm W)
Approximate Weight	35 lbs. (15.9 kg) single channel 51 lbs. (23.1 kg) eight channel
Rating	NEMA 3R

Optional Downwell Pump:	
Size	23.5" L x 1.75" OD (59.7 cm L x 4.4 cm OD)
Weight	4.5 lbs. (2.04 kg)
Materials	303 and 304 Stainless Steel, Flexible Rubber Tubing, PVC, Brass

Optional Skimmer Assemblies:	**2" Model**	**4" Model**
Effective Travel Range	12" (30.5 cm)	24" (61 cm)
Size	35.5" L x 1.75" OD (90.2cm L x 4.4cm OD)	35.5" L x 3.75" OD (90.2cm L x 9.5cm OD)
Weight	1.75 lbs. (.79 kg)	2.25 lbs. (1.02 kg)
Operating Temperature	32° to 104°F (0° to 40°C)	
Storage Temperature	-20° to 150°F (-29° to 66°C)	
Materials	304 Stainless Steel, Polyethylene, PVC, Polypropylene, Brass	

Optional Tubing:	
Air	.17" ID x .25" OD (4.3 mm ID x 6 mm OD)
Discharge	.375" ID x .5" OD (9.5 mm ID x 12.7 mm OD)

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Appendix E

Cumulative Summary of Groundwater Potentiometric Elevation Data

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-1	06/19/02	2”	122.47 - 142.09	140	3990.85	132.49	3858.36	--	--	--
MW-1	07/29/02	2"	122.47 - 142.09	140	3990.85	132.55	3858.30	--	--	--
MW-1	10/08/02	2"	122.47 - 142.09	140	3990.85	132.26	3858.59	--	--	--
MW-1	08/11/03	2"	122.47 - 142.09	140	3990.85	130.33	3860.52	--	--	--
MW-1	02/16/05	2"	122.47 - 142.09	140	3990.85	129.06	3861.79	--	--	--
MW-1	04/07/06	2"	122.47 - 142.09	140	3990.85	130.22	3860.63	--	--	--
MW-1	06/29/06	2"	122.47 - 142.09	140	3990.85	---------- not gauged ----------				--
MW-1	10/12/06	2"	122.47 - 142.09	140	3990.85	130.37	3860.48	--	--	--
MW-1	04/26/07	2"	122.47 - 142.09	140	3990.85	130.26	3860.59	--	--	--
MW-1	10/18/07	2"	122.47 - 142.09	140	3990.85	130.24	3860.61	--	--	--
MW-1	05/21/08	2"	122.47 - 142.09	140	3990.85	130.22	3860.63	--	--	--
MW-1	10/16/08	2"	122.47 - 142.09	140	3990.85	130.38	3860.47	--	--	--
MW-1	04/09/09	2"	122.47 - 142.09	140	3990.85	130.82	3860.03	--	--	--
MW-1	09/29/09	2"	122.47 - 142.09	140	3990.85	131.30	3859.55	--	--	--
MW-1	04/05/10	2"	122.47 - 142.09	140	3990.85	131.56	3859.29	--	--	--
MW-1	10/04/10	2"	122.47 - 142.09	140	3990.85	131.73	3859.12	--	--	--
MW-1	04/18/11	2"	122.47 - 142.09	140	3990.85	132.15	3858.70	--	--	--
MW-1	10/18/11	2"	122.47 - 142.09	140	3990.85	132.23	3858.62	--	--	--
MW-1	04/23/12	2"	122.47 - 142.09	140	3990.85	132.08	3858.77	--	--	--
MW-1	11/05/12	2"	122.47 - 142.09	140	3990.85	131.74	3859.11	--	--	--
MW-1	04/23/13	2"	122.47 - 142.09	140	3990.85	131.80	3859.05	--	--	--
MW-1	10/21/13	2"	122.47 - 142.09	140	3990.85	132.97	3857.88	--	--	--
MW-1	02/11/14	2"	122.47 - 142.09	140	3990.85	132.76	3858.09	--	--	--
MW-1	10/27/14	2"	122.47 - 142.09	140	3990.85	133.56	3857.29	--	--	--
MW-1	02/24/15	2"	122.47 - 142.09	140	3990.85	133.55	3857.30	--	--	--
MW-1	10/26/15	2"	122.47 - 142.09	140	3990.85	133.88	3856.97	--	--	--
MW-1	02/29/16	2"	122.47 - 142.09	140	3990.85	134.31	3856.54	--	--	--
MW-1	08/22/16	2"	122.47 - 142.09	140	3990.85	134.14	3856.71	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-1	06/19/02	2”	122.47 - 142.09	140	3990.85	132.49	3858.36	--	--	--
MW-1	07/29/02	2"	122.47 - 142.09	140	3990.85	132.55	3858.30	--	--	--
MW-1	10/08/02	2"	122.47 - 142.09	140	3990.85	132.26	3858.59	--	--	--
MW-1	08/11/03	2"	122.47 - 142.09	140	3990.85	130.33	3860.52	--	--	--
MW-1	02/16/05	2"	122.47 - 142.09	140	3990.85	129.06	3861.79	--	--	--
MW-1	04/07/06	2"	122.47 - 142.09	140	3990.85	130.22	3860.63	--	--	--
MW-1	06/29/06	2"	122.47 - 142.09	140	3990.85	---------- not gauged ----------				--
MW-1	10/12/06	2"	122.47 - 142.09	140	3990.85	130.37	3860.48	--	--	--
MW-1	04/26/07	2"	122.47 - 142.09	140	3990.85	130.26	3860.59	--	--	--
MW-1	10/18/07	2"	122.47 - 142.09	140	3990.85	130.24	3860.61	--	--	--
MW-1	05/21/08	2"	122.47 - 142.09	140	3990.85	130.22	3860.63	--	--	--
MW-1	10/16/08	2"	122.47 - 142.09	140	3990.85	130.38	3860.47	--	--	--
MW-1	04/09/09	2"	122.47 - 142.09	140	3990.85	130.82	3860.03	--	--	--
MW-1	09/29/09	2"	122.47 - 142.09	140	3990.85	131.30	3859.55	--	--	--
MW-1	04/05/10	2"	122.47 - 142.09	140	3990.85	131.56	3859.29	--	--	--
MW-1	10/04/10	2"	122.47 - 142.09	140	3990.85	131.73	3859.12	--	--	--
MW-1	04/18/11	2"	122.47 - 142.09	140	3990.85	132.15	3858.70	--	--	--
MW-1	10/18/11	2"	122.47 - 142.09	140	3990.85	132.23	3858.62	--	--	--
MW-1	04/23/12	2"	122.47 - 142.09	140	3990.85	132.08	3858.77	--	--	--
MW-1	11/05/12	2"	122.47 - 142.09	140	3990.85	131.74	3859.11	--	--	--
MW-1	04/23/13	2"	122.47 - 142.09	140	3990.85	131.80	3859.05	--	--	--
MW-1	10/21/13	2"	122.47 - 142.09	140	3990.85	132.97	3857.88	--	--	--
MW-1	02/11/14	2"	122.47 - 142.09	140	3990.85	132.76	3858.09	--	--	--
MW-1	10/27/14	2"	122.47 - 142.09	140	3990.85	133.56	3857.29	--	--	--
MW-1	02/24/15	2"	122.47 - 142.09	140	3990.85	133.55	3857.30	--	--	--
MW-1	10/26/15	2"	122.47 - 142.09	140	3990.85	133.88	3856.97	--	--	--
MW-1	02/29/16	2"	122.47 - 142.09	140	3990.85	134.31	3856.54	--	--	--
MW-1	08/22/16	2"	122.47 - 142.09	140	3990.85	134.14	3856.71	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-1	02/28/17	2"	122.47 - 142.09	140	3990.85	133.50	3857.35	--	--	--
MW-1	08/28/17	2"	122.47 - 142.09	140	3990.85	133.12	3857.73	--	--	--
MW-1	04/03/18	2"	122.47 - 142.09	140	3990.85	133.10	3857.75	--	--	--
MW-1	08/27/18	2"	122.47 - 142.09	140	3990.85	133.62	3857.23	--	--	--
MW-1	01/28/19	2"	122.47 - 142.09	140	3990.85	134.36	3856.49	--	--	--
MW-1	12/16/19	2"	122.47 - 142.09	140	3990.85	134.74	3856.11	--	--	--
MW-1	04/06/20	2”	122.47 - 142.09	142.38	3990.85	134.80	3856.05	--	--	--
MW-1	06/09/21	2”	122.47 - 142.09	147.19	3990.85	134.88	3855.97	--	--	--
MW-1	11/10/21	2”	122.47 - 142.09	152.21	3990.85	134.77	3856.08	--	--	--
MW-2	06/19/02	2”	123.27 - 142.89	140	3991.08	132.87	3858.21	--	--	--
MW-2	07/29/02	2”	123.27 - 142.89	140	3991.08	132.92	3858.16	--	--	--
MW-2	10/08/02	2”	123.27 - 142.89	140	3991.08	132.46	3858.62	--	--	--
MW-2	08/11/03	2”	123.27 - 142.89	140	3991.08	130.71	3860.37	--	--	--
MW-2	02/16/05	2”	123.27 - 142.89	140	3991.08	129.43	3861.65	--	--	--
MW-2	04/07/06	2”	123.27 - 142.89	140	3991.08	130.77	3860.31	--	--	--
MW-2	06/29/06	2”	123.27 - 142.89	140	3991.08	131.86	3859.22	--	--	--
MW-2	10/12/06	2”	123.27 - 142.89	140	3991.08	130.85	3860.23	--	--	--
MW-2	04/26/07	2”	123.27 - 142.89	140	3991.08	130.71	3860.37	--	--	--
MW-2	10/18/07	2”	123.27 - 142.89	140	3991.08	130.68	3860.40	--	--	--
MW-2	05/21/08	2”	123.27 - 142.89	140	3991.08	130.68	3860.40	--	--	--
MW-2	10/16/08	2”	123.27 - 142.89	140	3991.08	130.81	3860.27	--	--	--
MW-2	04/09/09	2”	123.27 - 142.89	140	3991.08	131.21	3859.87	--	--	--
MW-2	09/29/09	2”	123.27 - 142.89	140	3991.08	131.68	3859.40	--	--	--
MW-2	04/05/10	2”	123.27 - 142.89	140	3991.08	131.91	3859.17	--	--	--
MW-2	10/04/10	2”	123.27 - 142.89	140	3991.08	132.13	3858.95	--	--	--
MW-2	04/18/11	2”	123.27 - 142.89	140	3991.08	132.55	3858.53	--	--	--
MW-2	10/18/11	2”	123.27 - 142.89	140	3991.08	132.59	3858.49	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-2	04/23/12	2”	123.27 - 142.89	140	3991.08	132.41	3858.67	--	--	--
MW-2	11/05/12	2”	123.27 - 142.89	140	3991.08	132.20	3858.88	--	--	--
MW-2	04/23/13	2”	123.27 - 142.89	140	3991.08	132.29	3858.79	--	--	--
MW-2	10/21/13	2”	123.27 - 142.89	140	3991.08	133.11	3857.97	--	--	--
MW-2	02/11/14	2”	123.27 - 142.89	140	3991.08	133.11	3857.97	--	--	--
MW-2	10/27/14	2”	123.27 - 142.89	140	3991.08	133.92	3857.16	--	--	--
MW-2	02/24/15	2”	123.27 - 142.89	140	3991.08	133.84	3857.24	--	--	--
MW-2	10/26/15	2”	123.27 - 142.89	140	3991.08	134.32	3856.76	--	--	--
MW-2	02/29/16	2”	123.27 - 142.89	140	3991.08	134.58	3856.50	--	--	--
MW-2	08/22/16	2”	123.27 - 142.89	140	3991.08	134.45	3856.63	--	--	--
MW-2	02/28/17	2”	123.27 - 142.89	140	3991.08	133.80	3857.28	--	--	--
MW-2	08/28/17	2”	123.27 - 142.89	140	3991.08	133.22	3857.86	--	--	--
MW-2	04/03/18	2”	123.27 - 142.89	140	3991.08	133.46	3857.62	--	--	--
MW-2	08/27/18	2”	123.27 - 142.89	140	3991.08	134.00	3857.08	--	--	--
MW-2	01/28/19	2”	123.27 - 142.89	140	3991.08	134.43	3856.65	--	--	--
MW-2	12/16/19	2”	123.27 - 142.89	140	3991.08	135.81	3855.27	--	--	--
MW-2	01/30/20	2”	123.27 - 142.89	143.76	3991.08	135.18	3855.90	--	--	--
MW-2	04/06/20	2”	123.27 - 142.89	142.80	3991.08	135.30	3855.78	--	--	--
MW-2	06/09/21	2”	123.27 - 142.89	142.71	3991.08	135.30	3855.78	--	--	--
MW-2	11/10/21	2”	123.27 - 142.89	142.65	3991.08	135.19	3855.89	--	--	--
MW-3	06/19/02	2”	123.72 - 143.34	140	3991.75	133.52	3858.23	--	--	--
MW-3	07/29/02	2”	123.72 - 143.34	140	3991.75	133.58	3858.17	--	--	--
MW-3	10/08/02	2”	123.72 - 143.34	140	3991.75	133.19	3858.56	--	--	--
MW-3	08/11/03	2”	123.72 - 143.34	140	3991.75	131.36	3860.39	--	--	--
MW-3	02/16/05	2”	123.72 - 143.34	140	3991.75	not gauged				--
MW-3	04/07/06	2”	123.72 - 143.34	140	3991.75	131.45	3860.30	--	--	--
MW-3	06/29/06	2”	123.72 - 143.34	140	3991.75	not gauged				--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-3	10/12/06	2”	123.72 - 143.34	140	3991.75	131.59	3860.16	--	--	--
MW-3	04/26/07	2”	123.72 - 143.34	140	3991.75	131.42	3860.33	--	--	--
MW-3	10/18/07	2”	123.72 - 143.34	140	3991.75	131.43	3860.32	--	--	--
MW-3	05/20/08	2”	123.72 - 143.34	140	3991.75	131.39	3860.36	--	--	--
MW-3	10/08/08	2”	123.72 - 143.34	140	3991.75	131.51	3860.24	--	--	--
MW-3	04/09/09	2”	123.72 - 143.34	140	3991.75	132.94	3858.81	--	--	--
MW-3	09/29/09	2”	123.72 - 143.34	140	3991.75	132.40	3859.35	--	--	--
MW-3	04/05/10	2”	123.72 - 143.34	140	3991.75	132.65	3859.10	--	--	--
MW-3	10/04/10	2”	123.72 - 143.34	140	3991.75	132.82	3858.93	--	--	--
MW-3	04/18/11	2”	123.72 - 143.34	140	3991.75	133.25	3858.50	--	--	--
MW-3	10/18/11	2”	123.72 - 143.34	140	3991.75	133.42	3858.33	--	--	--
MW-3	04/23/12	2”	123.72 - 143.34	140	3991.75	133.15	3858.62	133.12	0.03	--
MW-3	11/05/12	2”	123.72 - 143.34	140	3991.75	133.01	3858.74	--	--	--
MW-3	04/15/13	2”	123.72 - 143.34	140	3991.75	132.77	3858.98	--	--	--
MW-3	04/23/13	2”	123.72 - 143.34	140	3991.75	132.89	3858.86	--	--	--
MW-3	10/21/13	2”	123.72 - 143.34	140	3991.75	133.90	3857.87	133.88	0.02	--
MW-3	10/27/14	2”	123.72 - 143.34	140	3991.75	134.69	3857.17	134.55	0.14	--
MW-3	02/11/14	2”	123.72 - 143.34	140	3991.75	133.87	3857.99	133.73	0.14	--
MW-3	10/27/14	2”	123.72 - 143.34	140	3991.75	134.69	3857.17	134.55	0.14	--
MW-3	02/24/15	2”	123.72 - 143.34	140	3991.75	134.54	3857.24	134.50	0.04	--
MW-3	10/26/15	2”	123.72 - 143.34	140	3991.75	135.19	3856.57	135.18	0.01	--
MW-3	01/14/16	2”	123.72 - 143.34	140	3991.75	135.32	3856.43	--	--	--
MW-3	02/29/16	2”	123.72 - 143.34	140	3991.75	135.21	3856.55	135.20	0.01	--
MW-3	08/22/16	2”	123.72 - 143.34	140	3991.75	135.08	3856.67	--	--	--
MW-3	02/28/17	2”	123.72 - 143.34	140	3991.75	135.10	3857.40	134.10	1.00	--
MW-3	06/12/17	2”	123.72 - 143.34	140	3991.75	134.25	3857.90	133.72	0.53	0.5
MW-3	06/26/17	2”	123.72 - 143.34	140	3991.75	134.04	3858.03	133.62	0.42	0.3
MW-3	07/24/17	2”	123.72 - 143.34	140	3991.75	134.27	3857.97	133.62	0.65	0.5

APPENDIX E
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-3	08/07/17	2”	123.72 - 143.34	140	3991.75	--	--	--	--	0.1
MW-3	08/28/17	2”	123.72 - 143.34	140	3991.75	134.36	3857.92	133.66	0.70	0.1
MW-3	09/20/17	2”	123.72 - 143.34	140	3991.75	133.20	3858.55	--	--	--
MW-3	10/16/17	2”	123.72 - 143.34	140	3991.75	134.43	3857.91	133.65	0.78	0.1
MW-3	10/31/17	2”	123.72 - 143.34	140	3991.75	134.56	3857.91	133.60	0.96	0.5
MW-3	11/13/17	2”	123.72 - 143.34	140	3991.75	134.55	3857.88	133.64	0.91	0.5
MW-3	11/27/17	2”	123.72 - 143.34	140	3991.75	134.73	3857.83	133.65	1.08	0.3
MW-3	12/11/17	2”	123.72 - 143.34	140	3991.75	134.65	3857.87	133.63	1.02	0.8
MW-3	01/02/18	2”	123.72 - 143.34	140	3991.75	134.85	3857.76	133.70	1.15	0.5
MW-3	01/08/18	2”	123.72 - 143.34	140	3991.75	134.77	3857.84	133.62	1.15	1.0
MW-3	01/24/18	2”	123.72 - 143.34	140	3991.75	135.01	3857.64	133.81	1.20	0.5
MW-3	02/05/18	2”	123.72 - 143.34	140	3991.75	134.85	3857.93	133.58	1.37	0.3
MW-3	02/23/18	2”	123.72 - 143.34	140	3991.75	134.70	3857.94	133.51	1.19	0.6
MW-3	03/05/18	2”	123.72 - 143.34	140	3991.75	135.15	3857.65	133.75	1.40	1.0
MW-3	04/03/18	2”	123.72 - 143.34	140	3991.75	135.29	3857.61	133.76	1.53	--
MW-3	04/16/18	2”	123.72 - 143.34	140	3991.75	135.20	3857.69	133.69	1.51	0.5
MW-3	04/30/18	2”	123.72 - 143.34	140	3991.75	135.57	3858.22	132.86	2.71	0.4
MW-3	05/14/18	2”	123.72 - 143.34	140	3991.75	135.47	3857.50	133.85	1.62	0.2
MW-3	06/01/18	2”	123.72 - 143.34	140	3991.75	134.54	3857.73	133.85	0.69	0.5
MW-3	06/11/18	2”	123.72 - 143.34	140	3991.75	134.59	3857.69	133.89	0.70	0.5
MW-3	06/25/18	2”	123.72 - 143.34	140	3991.75	136.05	3857.17	134.10	1.95	--
MW-3	07/09/18	2”	123.72 - 143.34	140	3991.75	136.06	3857.13	134.15	1.91	0.3
MW-3	07/23/18	2”	123.72 - 143.34	140	3991.75	136.02	3857.13	134.16	1.86	0.4
MW-3	08/06/18	2”	123.72 - 143.34	140	3991.75	135.84	3857.06	134.31	1.53	0.6
MW-3	08/20/18	2”	123.72 - 143.34	140	3991.75	135.74	3857.07	134.33	1.41	0.1
MW-3	08/27/18	2”	123.72 - 143.34	140	3991.75	135.48	3857.08	134.40	1.08	--
MW-3	10/01/18	2”	123.72 - 143.34	140	3991.75	135.77	3857.18	134.18	1.59	0.75
MW-3	10/15/18	2”	123.72 - 143.34	140	3991.75	135.84	3857.12	134.23	1.61	0.60

APPENDIX E
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-3	11/13/18	2”	123.72 - 143.34	140	3991.75	136.16	3857.06	134.21	1.95	0.60
MW-3	12/03/18	2”	123.72 - 143.34	140	3991.75	136.20	3856.94	134.35	1.85	1.00
MW-3	12/11/18	2”	123.72 - 143.34	140	3991.75	135.48	3856.92	134.61	0.87	--
MW-3	01/28/19	2”	123.72 - 143.34	140	3991.75	135.71	3856.68	134.86	0.85	--
MW-3	3/5/19	2”	123.72 - 143.34	140	3991.75	135.45	3856.32	135.42	0.03	--
MW-3	3/18/19	2”	123.72 - 143.34	140	3991.75	135.68	3856.09	135.66	0.02	--
MW-3	4/5/19	2”	123.72 - 143.34	140	3991.75	135.78	3856.03	135.70	0.08	--
MW-3	4/18/19	2”	123.72 - 143.34	140	3991.75	135.97	3855.87	135.85	0.12	--
MW-3	4/29/19	2”	123.72 - 143.34	140	3991.75	135.97	3856.15	135.48	0.49	--
MW-3	5/29/19	2”	123.72 - 143.34	140	3991.75	136.72	3857.63	133.26	3.46	0.30
MW-3	6/10/19	2”	123.72 - 143.34	140	3991.75	136.76	3855.96	135.47	1.29	0.20
MW-3	6/24/19	2”	123.72 - 143.34	140	3991.75	136.75	3856.24	135.10	1.65	0.33
MW-3	7/12/19	2”	123.72 - 143.34	140	3991.75	137.15	3855.92	135.40	1.75	0.40
MW-3	7/22/19	2”	123.72 - 143.34	140	3991.75	136.94	3855.83	135.58	1.36	0.50
MW-3	8/5/19	2”	123.72 - 143.34	140	3991.75	136.63	3855.91	135.58	1.05	0.10
MW-3	8/19/19	2”	123.72 - 143.34	140	3991.75	136.81	3855.83	135.63	1.18	0.20
MW-3	9/6/19	2”	123.72 - 143.34	140	3991.75	136.60	3855.89	135.62	0.98	0.10
MW-3	9/16/19	2”	123.72 - 143.34	140	3991.75	136.54	3855.98	135.52	1.02	0.10
MW-3	9/30/19	2”	123.72 - 143.34	140	3991.75	136.58	3855.76	135.79	0.79	0.10
MW-3	12/16/19	2”	123.72 - 143.34	140	3991.75	136.74	3855.80	135.69	1.05	--
MW-3	01/30/20	2”	123.72 - 143.34		3991.75	136.98	3855.80	135.61	1.37	0.50
MW-3	02/12/20	2”	123.72 - 143.34		3991.75	136.18	3855.92	135.72	0.46	<0.25
MW-3	02/27/20	2”	123.72 - 143.34		3991.75	136.14	3855.82	135.86	0.28	<0.25
MW-3	03/13/20	2”	123.72 - 143.34		3991.75	136.11	3855.78	135.93	0.18	0.50
MW-3	03/27/20	2”	123.72 - 143.34		3991.75	136.17	3855.69	136.03	0.14	--
MW-3	04/06/20	2”	123.72 - 143.34	137.36	3991.75	136.08	3855.78	135.94	0.14	--
MW-3	04/07/20	2”	123.72 - 143.34		3991.75	136.08	3855.78	135.94	0.14	<0.1
MW-3	04/23/20	2”	123.72 - 143.34		3991.75	136.22	3855.70	136.00	0.22	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-3	05/12/20	2”	123.72 - 143.34		3991.75	136.38	3855.81	135.80	0.58	--
MW-3	06/09/21	2”	123.72 - 143.34	137.35	3991.75	ND	--	135.35	2.00	--
MW-3	07/20/21	2”	123.72 - 143.34	137.20	3991.75	ND	--	135.17	2.30	--
MW-3	09/14/21	2”	123.72 - 143.34	137.21	3991.75	ND	--	135.15	2.06	1.00
MW-3	10/21/21	2”	123.72 - 143.34	137.35	3991.75	ND	--	135.57	1.78	0.75
MW-3	11/10/21	2”	123.72 - 143.34	--	3991.75	137.24	3855.93	135.35	1.89	1.00
MW-3	12/22/21	2”	123.72 - 143.34	--	3991.75	137.27	3855.81	135.50	1.77	1.00
MW-4	06/19/02	2”	122.47 - 142.09	140	3991.57	134.35	3857.22	--	--	--
MW-4	07/29/02	2”	122.47 - 142.09	140	3991.57	134.25	3857.32	--	--	--
MW-4	10/08/02	2”	122.47 - 142.09	140	3991.57	133.83	3857.74	--	--	--
MW-4	08/11/03	2”	122.47 - 142.09	140	3991.57	131.78	3859.79	--	--	--
MW-4	02/16/05	2”	122.47 - 142.09	140	3991.57	130.25	3861.32	--	--	--
MW-4	04/07/06	2”	122.47 - 142.09	140	3991.57	132.14	3859.43	--	--	--
MW-4	06/29/06	2”	122.47 - 142.09	140	3991.57	132.22	3859.35	--	--	--
MW-4	10/12/06	2”	122.47 - 142.09	140	3991.57	132.61	3858.96	--	--	--
MW-4	04/26/07	2”	122.47 - 142.09	140	3991.57	131.97	3859.60	--	--	--
MW-4	10/18/07	2”	122.47 - 142.09	140	3991.57	131.95	3859.62	--	--	--
MW-4	05/19/08	2”	122.47 - 142.09	140	3991.57	131.88	3859.69	--	--	--
MW-4	10/20/08	2”	122.47 - 142.09	140	3991.57	132.02	3859.55	--	--	--
MW-4	04/09/09	2”	122.47 - 142.09	140	3991.57	132.45	3859.12	--	--	--
MW-4	09/29/09	2”	122.47 - 142.09	140	3991.57	132.90	3858.67	--	--	--
MW-4	04/05/10	2”	122.47 - 142.09	140	3991.57	133.19	3858.38	--	--	--
MW-4	10/04/10	2”	122.47 - 142.09	140	3991.57	133.45	3858.12	--	--	--
MW-4	04/18/11	2”	122.47 - 142.09	140	3991.57	133.85	3857.72	--	--	--
MW-4	10/18/11	2”	122.47 - 142.09	140	3991.57	133.92	3857.65	--	--	--
MW-4	04/23/12	2”	122.47 - 142.09	140	3991.57	133.49	3858.08	--	--	--
MW-4	11/05/12	2”	122.47 - 142.09	140	3991.57	133.20	3858.37	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-4	04/23/13	2”	122.47 - 142.09	140	3991.57	133.28	3858.29	--	--	--
MW-4	10/21/13	2”	122.47 - 142.09	140	3991.57	134.27	3857.30	--	--	--
MW-4	02/11/14	2”	122.47 - 142.09	140	3991.57	134.44	3857.13	--	--	--
MW-4	10/27/14	2”	122.47 - 142.09	140	3991.57	135.40	3856.17	--	--	--
MW-4	02/24/15	2”	122.47 - 142.09	140	3991.57	135.41	3856.16	--	--	--
MW-4	10/26/15	2”	122.47 - 142.09	140	3991.57	136.01	3855.56	--	--	--
MW-4	02/29/16	2”	122.47 - 142.09	140	3991.57	136.05	3855.52	--	--	--
MW-4	08/22/16	2”	122.47 - 142.09	140	3991.57	135.60	3855.97	--	--	--
MW-4	02/28/17	2”	122.47 - 142.09	140	3991.57	134.90	3856.67	--	--	--
MW-4	08/28/17	2”	122.47 - 142.09	140	3991.57	134.22	3857.35	--	--	--
MW-4	04/03/18	2”	122.47 - 142.09	140	3991.57	134.64	3856.93	--	--	--
MW-4	08/27/18	2”	122.47 - 142.09	140	3991.57	135.09	3856.48	--	--	--
MW-4	01/28/19	2”	122.47 - 142.09	140	3991.57	135.81	3855.76	--	--	--
MW-4	12/16/19	2”	122.47 - 142.09	140	3991.57	136.80	3854.77	--	--	--
MW-4	04/06/20	2”	122.47 - 142.09	143.54	3991.57	136.82	3854.75	--	--	--
MW-4	06/09/21	2”	122.47 - 142.09	143.47	3991.57	136.46	3855.11	--	--	--
MW-4	11/10/21	2”	122.47 - 142.09	143.55	3991.57	136.43	3855.14	--	--	--
MW-5	06/19/02	2”	125.97 - 142.59	143	3992.12	134.05	3858.07	--	--	--
MW-5	07/29/02	2”	125.97 - 142.59	143	3992.12	134.06	3858.06	--	--	--
MW-5	10/08/02	2”	125.97 - 142.59	143	3992.12	133.73	3858.39	--	--	--
MW-5	08/11/03	2”	125.97 - 142.59	143	3992.12	131.91	3860.21	--	--	--
MW-5	02/16/05	2”	125.97 - 142.59	143	3992.12	130.86	3861.26	--	--	--
MW-5	04/07/06	2”	125.97 - 142.59	143	3992.12	132.04	3860.08	--	--	--
MW-5	06/29/06	2”	125.97 - 142.59	143	3992.12	132.18	3859.94	--	--	--
MW-5	10/12/06	2”	125.97 - 142.59	143	3992.12	132.13	3859.99	--	--	--
MW-5	04/26/07	2”	125.97 - 142.59	143	3992.12	132.00	3860.12	--	--	--
MW-5	10/18/07	2”	125.97 - 142.59	143	3992.12	132.04	3860.08	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-5	05/20/08	2”	125.97 - 142.59	143	3992.12	131.98	3860.14	--	--	--
MW-5	10/20/08	2”	125.97 - 142.59	143	3992.12	131.96	3860.16	--	--	--
MW-5	04/09/09	2”	125.97 - 142.59	143	3992.12	132.36	3859.76	--	--	--
MW-5	09/29/09	2”	125.97 - 142.59	143	3992.12	132.90	3859.22	--	--	--
MW-5	04/05/10	2”	125.97 - 142.59	143	3992.12	133.08	3859.04	--	--	--
MW-5	10/04/10	2”	125.97 - 142.59	143	3992.12	133.30	3858.82	--	--	--
MW-5	04/18/11	2”	125.97 - 142.59	143	3992.12	133.67	3858.45	--	--	--
MW-5	10/18/11	2”	125.97 - 142.59	143	3992.12	133.73	3858.39	--	--	--
MW-5	04/23/12	2”	125.97 - 142.59	143	3992.12	133.55	3858.57	--	--	--
MW-5	11/05/12	2”	125.97 - 142.59	143	3992.12	133.24	3858.88	--	--	--
MW-5	04/23/13	2”	125.97 - 142.59	143	3992.12	133.33	3858.79	--	--	--
MW-5	10/21/13	2”	125.97 - 142.59	143	3992.12	134.08	3858.04	--	--	--
MW-5	02/11/14	2”	125.97 - 142.59	143	3992.12	134.24	3857.88	--	--	--
MW-5	10/27/14	2”	125.97 - 142.59	143	3992.12	135.13	3856.99	--	--	--
MW-5	02/24/15	2”	125.97 - 142.59	143	3992.12	135.11	3857.01	--	--	--
MW-5	10/26/15	2”	125.97 - 142.59	143	3992.12	135.61	3856.51	--	--	--
MW-5	02/29/16	2”	125.97 - 142.59	143	3992.12	---------- not gauged ----------				--
MW-5	08/22/16	2”	125.97 - 142.59	143	3992.12	135.42	3856.70	--	--	--
MW-5	02/28/17	2”	125.97 - 142.59	143	3992.12	134.90	3857.22	--	--	--
MW-5	08/28/17	2”	125.97 - 142.59	143	3992.12	134.20	3857.92	--	--	--
MW-5	04/03/18	2”	125.97 - 142.59	143	3992.12	134.49	3857.63	--	--	--
MW-5	08/27/18	2”	125.97 - 142.59	143	3992.12	135.70	3856.42	--	--	--
MW-5	01/28/19	2”	125.97 - 142.59	143	3992.12	135.63	3856.49	--	--	--
MW-5	12/16/19	2”	125.97 - 142.59	143	3992.12	136.59	3855.53	--	--	--
MW-5	04/06/20	2”	125.97 - 142.59	144.98	3992.12	136.68	3855.44	--	--	--
MW-5	06/09/21	2”	125.97 - 142.59	144.97	3992.12	136.46	3855.66	--	--	--
MW-5	11/10/21	2”	125.97 - 142.59	145.02	3992.12	136.59	3855.53	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-6	06/19/02	2”	122.37 - 141.99	140	3991.94	133.58	3858.36	--	--	--
MW-6	07/29/02	2”	122.37 - 141.99	140	3991.94	133.61	3858.33	--	--	--
MW-6	10/08/02	2”	122.37 - 141.99	140	3991.94	132.29	3859.65	--	--	--
MW-6	08/11/03	2”	122.37 - 141.99	140	3991.94	131.59	3860.35	--	--	--
MW-6	02/16/05	2”	122.37 - 141.99	140	3991.94	130.35	3861.59	--	--	--
MW-6	04/07/06	2”	122.37 - 141.99	140	3991.94	131.57	3860.37	--	--	--
MW-6	06/29/06	2”	122.37 - 141.99	140	3991.94	---------- not gauged ----------				--
MW-6	10/12/06	2”	122.37 - 141.99	140	3991.94	131.69	3860.25	--	--	--
MW-6	04/26/07	2”	122.37 - 141.99	140	3991.94	131.58	3860.36	--	--	--
MW-6	10/18/07	2”	122.37 - 141.99	140	3991.94	131.60	3860.34	--	--	--
MW-6	05/20/08	2”	122.37 - 141.99	140	3991.94	131.52	3860.42	--	--	--
MW-6	10/16/08	2”	122.37 - 141.99	140	3991.94	131.67	3860.27	--	--	--
MW-6	04/09/09	2”	122.37 - 141.99	140	3991.94	132.00	3859.94	--	--	--
MW-6	09/29/09	2”	122.37 - 141.99	140	3991.94	132.40	3859.54	--	--	--
MW-6	04/05/10	2”	122.37 - 141.99	140	3991.94	132.16	3859.78	--	--	--
MW-6	10/04/10	2”	122.37 - 141.99	140	3991.94	132.84	3859.10	--	--	--
MW-6	04/18/11	2”	122.37 - 141.99	140	3991.94	133.20	3858.74	--	--	--
MW-6	10/18/11	2”	122.37 - 141.99	140	3991.94	133.34	3858.60	--	--	--
MW-6	04/23/12	2”	122.37 - 141.99	140	3991.94	133.21	3858.73	--	--	--
MW-6	11/05/12	2”	122.37 - 141.99	140	3991.94	132.25	3859.69	--	--	--
MW-6	04/23/13	2”	122.37 - 141.99	140	3991.94	132.97	3858.97	--	--	--
MW-6	10/21/13	2”	122.37 - 141.99	140	3991.94	133.68	3858.26	--	--	--
MW-6	02/11/14	2”	122.37 - 141.99	140	3991.94	133.80	3858.14	--	--	--
MW-6	10/27/14	2”	122.37 - 141.99	140	3991.94	134.62	3857.32	--	--	--
MW-6	02/24/15	2”	122.37 - 141.99	140	3991.94	134.55	3857.39	--	--	--
MW-6	10/26/15	2”	122.37 - 141.99	140	3991.94	135.00	3856.94	--	--	--
MW-6	02/29/16	2”	122.37 - 141.99	140	3991.94	135.24	3856.70	--	--	--
MW-6	08/22/16	2”	122.37 - 141.99	140	3991.94	135.10	3856.84	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-6	02/28/17	2”	122.37 - 141.99	140	3991.94	134.90	3857.04	--	--	--
MW-6	08/28/17	2”	122.37 - 141.99	140	3991.94	133.88	3858.06	--	--	--
MW-6	04/03/18	2”	122.37 - 141.99	140	3991.94	134.21	3857.73	--	--	--
MW-6	08/27/18	2”	122.37 - 141.99	140	3991.94	134.65	3857.29	--	--	--
MW-6	01/28/19	2”	122.37 - 141.99	140	3991.94	135.10	3856.84	--	--	--
MW-6	12/16/19	2”	122.37 - 141.99	140	3991.94	136.10	3855.84	--	--	--
MW-6	04/06/20	2”	122.37 - 141.99	143.40	3991.94	136.10	3855.84	--	--	--
MW-6	06/09/21	2”	122.37 - 141.99	143.44	3991.94	136.11	3855.83	--	--	--
MW-6	11/10/21	2”	122.37 - 141.99	136.06	3991.94	134.06	3857.88	--	--	--
MW-7	06/19/02	2”	122.17 - 141.79	140	3992.89	133.94	3858.95	--	--	--
MW-7	07/29/02	2”	122.17 - 141.79	140	3992.89	134.03	3858.86	--	--	--
MW-7	10/08/02	2”	122.17 - 141.79	140	3992.89	133.81	3859.08	--	--	--
MW-7	08/11/03	2”	122.17 - 141.79	140	3992.89	132.26	3860.63	--	--	--
MW-7	02/16/05	2”	122.17 - 141.79	140	3992.89	130.91	3861.98	--	--	--
MW-7	04/07/06	2”	122.17 - 141.79	140	3992.89	132.06	3860.83	--	--	--
MW-7	06/29/06	2”	122.17 - 141.79	140	3992.89	---------- not gauged ----------				--
MW-7	10/12/06	2”	122.17 - 141.79	140	3992.89	132.22	3860.67	--	--	--
MW-7	04/26/07	2”	122.17 - 141.79	140	3992.89	132.14	3860.75	--	--	--
MW-7	10/18/07	2”	122.17 - 141.79	140	3992.89	132.19	3860.70	--	--	--
MW-7	05/20/08	2”	122.17 - 141.79	140	3992.89	132.16	3860.73	--	--	--
MW-7	10/15/08	2”	122.17 - 141.79	140	3992.89	132.25	3860.64	--	--	--
MW-7	04/09/09	2”	122.17 - 141.79	140	3992.89	132.58	3860.31	--	--	--
MW-7	09/29/09	2”	122.17 - 141.79	140	3992.89	133.01	3859.88	--	--	--
MW-7	04/05/10	2”	122.17 - 141.79	140	3992.89	133.16	3859.73	--	--	--
MW-7	10/04/10	2”	122.17 - 141.79	140	3992.89	133.34	3859.55	--	--	--
MW-7	04/18/11	2”	122.17 - 141.79	140	3992.89	133.75	3859.14	--	--	--
MW-7	10/18/11	2”	122.17 - 141.79	140	3992.89	133.77	3859.12	--	--	--

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SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-7	04/23/12	2”	122.17 - 141.79	140	3992.89	133.74	3859.15	--	--	--
MW-7	11/05/12	2”	122.17 - 141.79	140	3992.89	133.48	3859.41	--	--	--
MW-7	04/23/13	2”	122.17 - 141.79	140	3992.89	133.64	3859.25	--	--	--
MW-7	10/21/13	2”	122.17 - 141.79	140	3992.89	134.18	3858.71	--	--	--
MW-7	02/11/14	2”	122.17 - 141.79	140	3992.89	134.28	3858.61	--	--	--
MW-7	10/27/14	2”	122.17 - 141.79	140	3992.89	134.95	3857.94	--	--	--
MW-7	02/24/15	2”	122.17 - 141.79	140	3992.89	134.89	3858.00	--	--	--
MW-7	10/26/15	2”	122.17 - 141.79	140	3992.89	135.33	3857.56	--	--	--
MW-7	02/29/16	2”	122.17 - 141.79	140	3992.89	135.55	3857.34	--	--	--
MW-7	08/22/16	2”	122.17 - 141.79	140	3992.89	135.53	3857.36	--	--	--
MW-7	02/28/17	2”	122.17 - 141.79	140	3992.89	134.85	3858.04	--	--	--
MW-7	08/28/17	2”	122.17 - 141.79	140	3992.89	134.46	3858.43	--	--	--
MW-7	04/03/18	2”	122.17 - 141.79	140	3992.89	134.79	3858.10	--	--	--
MW-7	08/27/18	2”	122.17 - 141.79	140	3992.89	135.15	3857.74	--	--	--
MW-7	01/28/19	2”	122.17 - 141.79	140	3992.89	135.49	3857.40	--	--	--
MW-7	12/16/19	2”	122.17 - 141.79	140	3992.89	136.50	3856.39	--	--	--
MW-7	04/06/20	2”	122.17 - 141.79	141.94	3992.89	136.47	3856.42	--	--	--
MW-7	06/09/21	2”	122.17 - 141.79	141.87	3992.89	136.70	3856.19			
MW-7	11/10/21	2”	122.17 - 141.79	141.83	3992.89	136.75	3856.14			
MW-8	06/19/02	2”	123.57 -143.19	140	3991.27	132.81	3858.46	--	--	--
MW-8	07/29/02	2”	123.57 -143.19	140	3991.27	132.93	3858.34	--	--	--
MW-8	10/08/02	2”	123.57 -143.19	140	3991.27	132.20	3859.07	--	--	--
MW-8	08/11/03	2”	123.57 -143.19	140	3991.27	130.78	3860.49	--	--	--
MW-8	02/16/05	2”	123.57 -143.19	140	3991.27	129.53	3861.74	--	--	--
MW-8	04/07/06	2”	123.57 -143.19	140	3991.27	130.80	3860.47	--	--	--
MW-8	06/29/06	2”	123.57 -143.19	140	3991.27	130.88	3860.39	--	--	--
MW-8	10/12/06	2”	123.57 -143.19	140	3991.27	130.89	3860.38	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	04/26/07	2”	123.57 -143.19	140	3991.27	130.75	3860.52	--	--	--
MW-8	10/18/07	2”	123.57 -143.19	140	3991.27	130.73	3860.54	--	--	--
MW-8	05/21/08	2”	123.57 -143.19	140	3991.27	130.22	3861.05	--	--	--
MW-8	10/16/08	2”	123.57 -143.19	140	3991.27	130.84	3860.43	--	--	--
MW-8	04/09/09	2”	123.57 -143.19	140	3991.27	131.28	3859.99	--	--	--
MW-8	09/29/09	2”	123.57 -143.19	140	3991.27	131.75	3859.52	--	--	--
MW-8	04/05/10	2”	123.57 -143.19	140	3991.27	131.96	3859.31	--	--	--
MW-8	10/04/10	2”	123.57 -143.19	140	3991.27	135.46	3855.81	--	--	--
MW-8	03/30/11	2”	123.57 -143.19	140	3991.27	135.80	3858.73	131.47	4.33	2.5
MW-8	04/07/11	2”	123.57 -143.19	140	3991.27	134.37	3858.65	132.04	2.33	0.5
MW-8	04/13/11	2”	123.57 -143.19	140	3991.27	133.85	3858.59	132.30	1.55	0.3
MW-8	05/03/11	2”	123.57 -143.19	140	3991.27	135.70	3858.61	131.66	4.04	1.2
MW-8	05/10/11	2”	123.57 -143.19	140	3991.27	134.68	3858.58	132.04	2.64	0.5
MW-8	05/17/11	2”	123.57 -143.19	140	3991.27	134.24	3858.64	132.10	2.14	0.8
MW-8	05/24/11	2”	123.57 -143.19	140	3991.27	134.17	3858.57	132.21	1.96	--
MW-8	06/28/11	2”	123.57 -143.19	140	3991.27	133.69	3858.50	132.47	1.22	0.1
MW-8	08/24/11	2”	123.57 -143.19	140	3991.27	135.84	3858.44	131.84	4.00	2.5
MW-8	08/25/11	2”	123.57 -143.19	140	3991.27	134.54	3858.38	132.34	2.20	1.3
MW-8	10/18/11	2”	123.57 -143.19	140	3991.27	134.64	3858.23	132.51	2.13	2.0
MW-8	02/01/12	2”	123.57 -143.19	140	3991.27	135.77	3858.62	131.62	4.15	1.8
MW-8	02/16/12	2”	123.57 -143.19	140	3991.27	135.43	3858.82	131.47	3.96	1.5
MW-8	02/28/12	2”	123.57 -143.19	140	3991.27	135.49	3858.75	131.54	3.95	1.5
MW-8	03/12/12	2”	123.57 -143.19	140	3991.27	135.63	3858.67	131.60	4.03	1.5
MW-8	03/29/12	2”	123.57 -143.19	140	3991.27	135.63	3858.70	131.56	4.07	1.0
MW-8	04/10/12	2”	123.57 -143.19	140	3991.27	135.59	3858.75	131.51	4.08	1.0
MW-8	04/23/12	2”	123.57 -143.19	140	3991.27	135.47	3858.73	131.58	3.89	--
MW-8	05/08/12	2”	123.57 -143.19	140	3991.27	135.38	3858.79	131.52	3.86	1.2
MW-8	05/21/12	2”	123.57 -143.19	140	3991.27	135.23	3858.90	131.43	3.80	1.8

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	06/04/12	2”	123.57 -143.19	140	3991.27	135.14	3858.86	131.51	3.63	1.5
MW-8	06/18/12	2”	123.57 -143.19	140	3991.27	135.04	3858.93	131.45	3.59	2.0
MW-8	07/03/12	2”	123.57 -143.19	140	3991.27	135.21	3858.86	131.49	3.72	2.0
MW-8	07/16/12	2”	123.57 -143.19	140	3991.27	135.10	3858.93	131.43	3.67	4.0
MW-8	08/02/12	2”	123.57 -143.19	140	3991.27	134.88	3858.95	131.48	3.40	3.5
MW-8	08/17/12	2”	123.57 -143.19	140	3991.27	134.83	3858.97	131.47	3.36	0.0
MW-8	08/28/12	2”	123.57 -143.19	140	3991.27	134.69	3859.11	131.33	3.36	2.5
MW-8	09/21/12	2”	123.57 -143.19	140	3991.27	134.70	3859.14	131.28	3.42	1.5
MW-8	09/24/12	2”	123.57 -143.19	140	3991.27	134.58	3859.21	131.23	3.35	1.6
MW-8	10/08/12	2”	123.57 -143.19	140	3991.27	134.65	3859.15	131.29	3.36	1.5
MW-8	10/22/12	2”	123.57 -143.19	140	3991.27	134.79	3859.09	131.32	3.47	1.5
MW-8	11/05/12	2”	123.57 -143.19	140	3991.27	134.66	3859.13	131.31	3.35	0.0
MW-8	11/20/12	2”	123.57 -143.19	140	3991.27	134.82	3859.02	131.40	3.42	2.5
MW-8	01/08/13	2”	123.57 -143.19	140	3991.27	134.89	3859.84	130.29	4.60	2.5
MW-8	01/21/13	2”	123.57 -143.19	140	3991.27	134.85	3859.32	131.00	3.85	1.5
MW-8	01/30/13	2”	123.57 -143.19	140	3991.27	134.36	3859.23	131.28	3.08	1.0
MW-8	02/13/13	2”	123.57 -143.19	140	3991.27	134.68	3859.21	131.19	3.49	--
MW-8	02/18/13	2”	123.57 -143.19	140	3991.27	135.05	3859.01	131.34	3.71	1.5
MW-8	03/04/13	2”	123.57 -143.19	140	3991.27	134.81	3859.31	131.02	3.79	--
MW-8	03/18/13	2”	123.57 -143.19	140	3991.27	135.05	3859.07	131.26	3.79	2.3
MW-8	04/01/13	2”	123.57 -143.19	140	3991.27	134.70	3859.13	131.29	3.41	1.5
MW-8	04/15/13	2”	123.57 -143.19	140	3991.27	134.98	3859.16	131.17	3.81	1.8
MW-8	04/23/13	2”	123.57 -143.19	140	3991.27	135.37	3858.99	131.26	4.11	--
MW-8	04/29/13	2”	123.57 -143.19	140	3991.27	134.97	3859.19	131.13	3.84	2.0
MW-8	05/15/13	2”	123.57 -143.19	140	3991.27	135.08	3859.13	131.17	3.91	1.8
MW-8	05/28/13	2”	123.57 -143.19	140	3991.27	135.22	3859.07	131.21	4.01	1.8
MW-8	06/12/13	2”	123.57 -143.19	140	3991.27	135.24	3859.07	131.20	4.04	2.5
MW-8	06/26/13	2”	123.57 -143.19	140	3991.27	135.32	3859.01	131.25	4.07	2.5

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	07/24/13	2”	123.57 -143.19	140	3991.27	135.70	3858.79	131.42	4.28	2.0
MW-8	08/06/13	2”	123.57 -143.19	140	3991.27	135.91	3858.67	131.51	4.40	2.0
MW-8	08/21/13	2”	123.57 -143.19	140	3991.27	135.94	3858.44	131.81	4.13	2.5
MW-8	09/03/13	2”	123.57 -143.19	140	3991.27	135.91	3858.43	131.83	4.08	2.5
MW-8	09/18/13	2”	123.57 -143.19	140	3991.27	135.96	3858.44	131.80	4.16	2.5
MW-8	09/23/13	2”	123.57 -143.19	140	3991.27	135.82	3858.18	132.19	3.63	--
MW-8	09/23/13	2”	123.57 -143.19	140	3991.27	133.29	3858.30	132.87	0.42	--
MW-8	10/02/13	2”	123.57 -143.19	140	3991.27	134.73	3858.13	132.62	2.11	1.5
MW-8	10/16/13	2”	123.57 -143.19	140	3991.27	134.73	3858.02	132.76	1.97	1.0
MW-8	10/21/13	2”	123.57 -143.19	140	3991.27	134.13	3858.12	132.83	1.30	--
MW-8	10/30/13	2”	123.57 -143.19	140	3991.27	134.53	3857.94	132.94	1.59	1.0
MW-8	11/13/13	2”	123.57 -143.19	140	3991.27	134.38	3858.05	132.84	1.54	1.0
MW-8	12/04/13	2”	123.57 -143.19	140	3991.27	134.63	3858.14	132.63	2.00	1.5
MW-8	12/12/13	2”	123.57 -143.19	140	3991.27	134.90	3858.05	132.66	2.24	2.0
MW-8	12/30/13	2”	123.57 -143.19	140	3991.27	134.74	3858.12	132.62	2.12	0.8
MW-8	02/11/14	2”	123.57 -143.19	140	3991.27	135.20	3858.09	132.51	2.69	--
MW-8	02/12/14	2”	123.57 -143.19	140	3991.27	135.25	3858.09	132.50	2.75	--
MW-8	02/25/14	2”	123.57 -143.19	140	3991.27	134.91	3857.89	132.88	2.03	0.8
MW-8	03/13/14	2”	123.57 -143.19	140	3991.27	134.73	3857.95	132.86	1.87	1.0
MW-8	03/27/14	2”	123.57 -143.19	140	3991.27	135.09	3857.77	132.98	2.11	1.0
MW-8	04/10/14	2”	123.57 -143.19	140	3991.27	135.64	3857.74	132.84	2.80	1.0
MW-8	04/24/14	2”	123.57 -143.19	140	3991.27	135.91	3857.62	132.90	3.01	1.5
MW-8	05/08/14	2”	123.57 -143.19	140	3991.27	136.01	3857.66	132.82	3.19	1.5
MW-8	06/19/14	2”	123.57 -143.19	140	3991.27	136.04	3857.62	132.86	3.18	1.5
MW-8	07/03/14	2”	123.57 -143.19	140	3991.27	136.03	3857.61	132.88	3.15	1.5
MW-8	08/01/14	2”	123.57 -143.19	140	3991.27	135.90	3857.63	132.90	3.00	1.5
MW-8	08/28/14	2”	123.57 -143.19	140	3991.27	135.88	3857.55	133.01	2.87	1.0
MW-8	09/11/14	2”	123.57 -143.19	140	3991.27	135.42	3857.38	133.38	2.04	2.0

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	09/25/14	2”	123.57 -143.19	140	3991.27	135.91	3857.31	133.32	2.59	1.8
MW-8	10/24/14	2”	123.57 -143.19	140	3991.27	135.96	3857.27	133.36	2.60	1.5
MW-8	10/27/14	2”	123.57 -143.19	140	3991.27	135.86	3856.96	133.80	2.06	--
MW-8	01/13/15	2”	123.57 -143.19	140	3991.27	136.21	3857.19	133.38	2.83	1.0
MW-8	01/29/15	2”	123.57 -143.19	140	3991.27	136.72	3857.31	133.05	3.67	1.5
MW-8	02/10/15	2”	123.57 -143.19	140	3991.27	135.75	3857.17	133.55	2.20	1.0
MW-8	02/24/15	2”	123.57 -143.19	140	3991.27	135.70	3857.37	133.30	2.40	1.0
MW-8	03/12/15	2”	123.57 -143.19	140	3991.27	136.13	3857.09	133.54	2.59	1.0
MW-8	03/26/15	2”	123.57 -143.19	140	3991.27	136.26	3857.01	133.60	2.66	2.2
MW-8	04/09/15	2”	123.57 -143.19	140	3991.27	136.26	3857.04	133.56	2.70	1.0
MW-8	04/21/15	2”	123.57 -143.19	140	3991.27	136.23	3857.03	133.58	2.65	0.5
MW-8	05/06/15	2”	123.57 -143.19	140	3991.27	136.22	3857.07	133.53	2.69	2.0
MW-8	05/21/15	2”	123.57 -143.19	140	3991.27	136.14	3857.02	133.63	2.51	1.3
MW-8	06/04/15	2”	123.57 -143.19	140	3991.27	136.24	3857.04	133.57	2.67	0.8
MW-8	07/02/15	2”	123.57 -143.19	140	3991.27	136.39	3856.91	133.69	2.70	1.5
MW-8	07/16/15	2”	123.57 -143.19	140	3991.27	136.57	3856.82	133.75	2.82	1.5
MW-8	07/30/15	2”	123.57 -143.19	140	3991.27	134.73	3856.80	134.38	0.35	0.2
MW-8	08/27/15	2”	123.57 -143.19	140	3991.27	136.58	3856.80	133.78	2.80	23.6
MW-8	09/10/15	2”	123.57 -143.19	140	3991.27	135.40	3856.69	134.31	1.09	0.3
MW-8	09/25/15	2”	123.57 -143.19	140	3991.27	136.36	3856.75	133.91	2.45	2.9
MW-8	10/26/15	2”	123.57 -143.19	140	3991.27	136.20	3856.95	133.70	2.50	--
MW-8	11/05/15	2”	123.57 -143.19	140	3991.27	136.56	3856.74	133.86	2.70	1.0
MW-8	12/10/15	2”	123.57 -143.19	140	3991.27	136.78	3857.02	133.41	3.37	8.1
MW-8	01/14/16	2”	123.57 -143.19	140	3991.27	135.20	3856.67	134.40	0.80	0.5
MW-8	02/25/16	2”	123.57 -143.19	140	3991.27	136.05	3856.42	134.45	1.60	0.5
MW-8	02/29/16	2”	123.57 -143.19	140	3991.27	136.05	3856.42	134.45	1.60	--
MW-8	03/10/16	2”	123.57 -143.19	140	3991.27	135.74	3856.46	134.50	1.24	0.3
MW-8	03/22/16	2”	123.57 -143.19	140	3991.27	135.75	3856.46	134.50	1.25	0.5

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	04/04/16	2”	123.57 -143.19	140	3991.27	135.28	3856.34	134.82	0.46	0.3
MW-8	04/21/16	2”	123.57 -143.19	140	3991.27	135.27	3856.36	134.79	0.48	0.2
MW-8	05/20/16	2”	123.57 -143.19	140	3991.27	135.65	3856.32	134.72	0.93	0.3
MW-8	06/02/16	2”	123.57 -143.19	140	3991.27	136.21	3856.43	134.39	1.82	0.3
MW-8	06/16/16	2”	123.57 -143.19	140	3991.27	136.74	3856.24	134.47	2.27	1.0
MW-8	06/30/16	2”	123.57 -143.19	140	3991.27	136.19	3856.30	134.57	1.62	1.5
MW-8	07/14/16	2”	123.57 -143.19	140	3991.27	136.53	3856.42	134.30	2.23	1.0
MW-8	07/25/16	2”	123.57 -143.19	140	3991.27	136.05	3856.58	134.24	1.81	1.0
MW-8	08/22/16	2”	123.57 -143.19	140	3991.27	135.58	3856.72	134.21	1.37	--
MW-8	09/09/16	2”	123.57 -143.19	140	3991.27	135.59	3856.74	134.18	1.41	--
MW-8	09/22/16	2”	123.57 -143.19	140	3991.27	135.78	3856.63	134.27	1.51	1.0
MW-8	10/06/16	2”	123.57 -143.19	140	3991.27	135.25	3856.74	134.29	0.96	1.0
MW-8	10/20/16	2”	123.57 -143.19	140	3991.27	134.82	3856.95	134.16	0.66	0.1
MW-8	11/03/16	2”	123.57 -143.19	140	3991.27	134.43	3857.10	134.08	0.35	0.4
MW-8	11/16/16	2”	123.57 -143.19	140	3991.27	134.00	3857.33	133.92	0.08	0.1
MW-8	11/28/16	2”	123.57 -143.19	140	3991.27	134.32	3857.15	134.05	0.27	--
MW-8	12/15/16	2”	123.57 -143.19	140	3991.27	134.31	3857.14	134.07	0.24	--
MW-8	02/28/17	2”	123.57 -143.19	140	3991.27	133.85	3857.44	133.83	0.02	--
MW-8	03/08/17	2”	123.57 -143.19	140	3991.27	133.75	3857.52	--	--	--
MW-8	03/25/17	2”	123.57 -143.19	140	3991.27	133.70	3857.57	--	--	--
MW-8	04/13/17	2”	123.57 -143.19	140	3991.27	133.55	3857.72	--	--	--
MW-8	05/01/17	2”	123.57 -143.19	140	3991.27	133.45	3857.82	--	--	--
MW-8	06/12/17	2”	123.57 -143.19	140	3991.27	133.46	3857.81	--	--	--
MW-8	06/26/17	2”	123.57 -143.19	140	3991.27	133.22	3858.05	--	--	--
MW-8	07/24/17	2”	123.57 -143.19	140	3991.27	133.31	3857.96	--	--	--
MW-8	08/07/17	2”	123.57 -143.19	140	3991.27	--	--	--	--	0.5
MW-8	08/28/17	2”	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--
MW-8	09/20/17	2”	123.57 -143.19	140	3991.27	133.23	3858.04	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	10/16/17	2”	123.57 -143.19	140	3991.27	133.27	3858.00	--	--	--
MW-8	10/31/17	2”	123.57 -143.19	140	3991.27	133.30	3857.97	--	--	--
MW-8	11/13/17	2”	123.57 -143.19	140	3991.27	133.81	3857.46	--	--	--
MW-8	11/27/17	2”	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--
MW-8	12/11/17	2”	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--
MW-8	01/02/18	2”	123.57 -143.19	140	3991.27	133.45	3857.82	--	--	--
MW-8	01/08/18	2”	123.57 -143.19	140	3991.27	133.39	3857.88	--	--	--
MW-8	01/24/18	2”	123.57 -143.19	140	3991.27	133.63	3857.64	--	--	--
MW-8	02/05/18	2”	123.57 -143.19	140	3991.27	133.35	3857.92	--	--	--
MW-8	02/23/18	2”	123.57 -143.19	140	3991.27	133.34	3857.93	--	--	--
MW-8	03/05/18	2”	123.57 -143.19	140	3991.27	133.51	3857.76	--	--	--
MW-8	04/03/18	2”	123.57 -143.19	140	3991.27	133.52	3857.75	--	--	--
MW-8	04/16/18	2”	123.57 -143.19	140	3991.27	133.46	3857.81	--	--	--
MW-8	04/30/18	2”	123.57 -143.19	140	3991.27	133.60	3857.67	--	--	--
MW-8	05/14/18	2”	123.57 -143.19	140	3991.27	133.60	3857.67	--	--	--
MW-8	06/01/18	2”	123.57 -143.19	140	3991.27	133.66	3857.61	--	--	--
MW-8	06/11/18	2”	123.57 -143.19	140	3991.27	133.70	3857.57	--	--	--
MW-8	06/25/18	2”	123.57 -143.19	140	3991.27	134.01	3857.26	--	--	--
MW-8	07/09/18	2”	123.57 -143.19	140	3991.27	134.03	3857.24	--	--	--
MW-8	07/23/18	2”	123.57 -143.19	140	3991.27	134.08	3857.19	--	--	--
MW-8	08/03/18	2”	123.57 -143.19	140	3991.27	134.05	3857.22	--	--	--
MW-8	08/20/18	2”	123.57 -143.19	140	3991.27	134.05	3857.22	--	--	--
MW-8	08/27/18	2”	123.57 -143.19	140	3991.27	134.07	3857.20	--	--	--
MW-8	10/01/18	2”	123.57 -143.19	140	3991.27	134.02	3857.25	--	--	--
MW-8	10/15/18	2”	123.57 -143.19	140	3991.27	134.04	3857.23	--	--	--
MW-8	11/13/18	2”	123.57 -143.19	140	3991.27	134.12	3857.15	--	--	--
MW-8	12/03/18	2”	123.57 -143.19	140	3991.27	134.26	3857.01	--	--	--
MW-8	12/11/18	2”	123.57 -143.19	140	3991.27	134.22	3857.05	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	01/28/19	2”	123.57 -143.19	140	3991.27	134.59	3856.68	--	--	--
MW-8	03/05/19	2”	123.57 -143.19	140	3991.27	135.44	3855.83	137.79	-2.35	--
MW-8	3/18/19	2”	123.57 -143.19	140	3991.27	135.67	3855.60	134.64	1.03	0.8
MW-8	4/5/19	2”	123.57 -143.19	140	3991.27	136.39	3854.88	134.45	1.94	0.8
MW-8	4/18/19	2”	123.57 -143.19	140	3991.27	136.59	3854.68	134.53	2.06	1.0
MW-8	4/29/19	2”	123.57 -143.19	140	3991.27	136.92	3854.35	134.49	2.43	0.5
MW-8	5/29/19	2”	123.57 -143.19	140	3991.27	136.39	3854.88	134.49	1.90	0.4
MW-8	6/10/19	2”	123.57 -143.19	140	3991.27	136.22	3855.05	134.58	1.64	0.6
MW-8	6/24/19	2”	123.57 -143.19	140	3991.27	135.91	3855.36	134.54	1.37	0.7
MW-8	7/12/19	2”	123.57 -143.19	140	3991.27	135.97	3855.30	134.63	1.34	0.5
MW-8	7/22/19	2”	123.57 -143.19	140	3991.27	135.99	3855.28	134.76	1.23	1.0
MW-8	8/5/19	2”	123.57 -143.19	140	3991.27	135.95	3855.32	134.72	1.23	0.2
MW-8	8/19/19	2”	123.57 -143.19	140	3991.27	136.11	3855.16	134.72	1.39	0.3
MW-8	9/6/19	2”	123.57 -143.19	140	3991.27	136.12	3855.15	134.63	1.49	0.5
MW-8	9/16/19	2”	123.57 -143.19	140	3991.27	135.85	3855.42	134.86	0.99	0.2
MW-8	9/30/19	2”	123.57 -143.19	140	3991.27	135.85	3855.42	134.80	1.05	0.2
MW-8	1/28/19	2”	123.57 - 143.19	140	3991.27	134.59	3856.68	--	--	--
MW-8	12/16/19	2”	123.57 -143.19	140	3991.27	135.46	3856.37	134.72	0.74	--
MW-8	01/30/20	2”	123.57 - 143.19		3991.27	137.06	3856.03	134.64	2.42	0.5
MW-8	02/12/20	2”	123.57 - 143.19		3991.27	137.03	3856.07	134.60	2.43	1.5
MW-8	02/27/20	2”	123.57 - 143.19		3991.27	137.06	3856.00	134.68	2.38	1.0
MW-8	03/13/20	2”	123.57 - 143.19		3991.27	137.13	3855.96	134.71	2.42	2.0
MW-8	03/27/20	2”	123.57 - 143.19		3991.27	137.17	3855.90	134.78	2.39	--
MW-8	04/06/20	2”	123.57 - 143.19	143.43	3991.27	137.04	3855.97	134.73	2.31	--
MW-8	04/07/20	2”	123.57 - 143.19		3991.27	137.08	3855.96	134.73	2.35	1.0
MW-8	04/23/20	2”	123.57 - 143.19		3991.27	137.14	3855.89	134.80	2.34	--
MW-8	05/12/20	2”	123.57 - 143.19		3991.27	136.95	3855.97	134.75	2.20	1.5
MW-8	06/09/21	2”	123.57 - 143.19		3991.27	136.92	3855.91	134.85	2.07	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-8	07/20/21	2”	123.57 - 143.19		3991.27	136.15	3856.18	134.74	1.41	--
MW-8	09/14/21	2”	123.57 - 143.19		3991.27	136.34	3856.17	134.69	1.65	1.0
MW-8	10/21/21	2”	123.57 - 143.19		3991.27	135.38	3856.31	134.82	0.56	1.5
MW-8	11/10/21	2”	123.57 - 143.19		3991.27	136.84	3855.93	134.85	1.99	1.0
MW-8	12/22/21	2”	123.57 - 143.19		3991.27	136.88	3855.71	135.12	1.76	1.0
MW-9	10/08/02	2"	123 - 145	145	3990.40	132.33	3858.07	--	--	--
MW-9	08/11/03	2"	123 - 145	145	3990.40	130.27	3860.13	--	--	--
MW-9	02/16/05	2"	123 - 145	145	3990.40	128.96	3861.44	--	--	--
MW-9	04/07/06	2"	123 - 145	145	3990.40	130.45	3859.95	--	--	--
MW-9	06/29/06	2"	123 - 145	145	3990.40	---------- not gauged ----------				--
MW-9	10/12/06	2"	123 - 145	145	3990.40	130.43	3859.97	--	--	--
MW-9	04/26/07	2"	123 - 145	145	3990.40	130.35	3860.05	--	--	--
MW-9	10/18/07	2"	123 - 145	145	3990.40	130.26	3860.14	--	--	--
MW-9	05/21/08	2"	123 - 145	145	3990.40	130.29	3860.11	--	--	--
MW-9	10/20/08	2"	123 - 145	145	3990.40	130.41	3859.99	--	--	--
MW-9	04/09/09	2"	123 - 145	145	3990.40	130.87	3859.53	--	--	--
MW-9	09/29/09	2"	123 - 145	145	3990.40	131.40	3859.00	--	--	--
MW-9	04/05/10	2"	123 - 145	145	3990.40	131.66	3858.74	--	--	--
MW-9	10/04/10	2"	123 - 145	145	3990.40	131.85	3858.55	--	--	--
MW-9	04/18/11	2"	123 - 145	145	3990.40	132.30	3858.10	--	--	--
MW-9	10/18/11	2"	123 - 145	145	3990.40	134.75	3857.97	131.66	3.09	--
MW-9	02/01/12	2"	123 - 145	145	3990.40	135.92	3858.12	131.08	4.84	2.0
MW-9	02/16/12	2"	123 - 145	145	3990.40	135.73	3858.30	130.90	4.83	2.5
MW-9	02/28/12	2"	123 - 145	145	3990.40	135.97	3858.21	130.94	5.03	2.0
MW-9	03/12/12	2"	123 - 145	145	3990.40	135.96	3858.16	131.01	4.95	2.7
MW-9	03/29/12	2"	123 - 145	145	3990.40	135.87	3858.20	130.99	4.88	2.5
MW-9	04/10/12	2"	123 - 145	145	3990.40	135.92	3858.22	130.94	4.98	2.0

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-9	04/23/12	2"	123 - 145	145	3990.40	135.95	3858.26	130.88	5.07	0.0
MW-9	05/08/12	2"	123 - 145	145	3990.40	135.89	3858.30	130.85	5.04	2.0
MW-9	05/21/12	2"	123 - 145	145	3990.40	135.76	3858.43	130.72	5.04	2.9
MW-9	06/04/12	2"	123 - 145	145	3990.40	135.88	3858.37	130.76	5.12	2.0
MW-9	06/18/12	2"	123 - 145	145	3990.40	135.99	3858.41	130.67	5.32	2.5
MW-9	07/03/12	2"	123 - 145	145	3990.40	135.95	3858.38	130.72	5.23	2.5
MW-9	07/16/12	2"	123 - 145	145	3990.40	135.90	3858.43	130.67	5.23	7.0
MW-9	08/02/12	2"	123 - 145	145	3990.40	135.85	3858.48	130.63	5.22	4.0
MW-9	08/17/12	2"	123 - 145	145	3990.40	135.87	3858.43	130.69	5.18	0.0
MW-9	08/28/12	2"	123 - 145	145	3990.40	135.79	3858.55	130.55	5.24	4.0
MW-9	09/21/12	2"	123 - 145	145	3990.40	135.65	3858.65	130.47	5.18	2.5
MW-9	09/24/12	2"	123 - 145	145	3990.40	135.58	3858.75	130.35	5.23	4.0
MW-9	10/08/12	2"	123 - 145	145	3990.40	135.74	3858.71	130.35	5.39	2.5
MW-9	10/22/12	2"	123 - 145	145	3990.40	135.77	3858.69	130.37	5.40	2.5
MW-9	11/05/12	2"	123 - 145	145	3990.40	135.71	3858.46	130.70	5.01	0.0
MW-9	11/20/12	2"	123 - 145	145	3990.40	135.84	3858.64	130.42	5.42	3.0
MW-9	01/08/13	2"	123 - 145	145	3990.40	135.81	3858.63	130.44	5.37	3.0
MW-9	01/21/13	2"	123 - 145	145	3990.40	135.68	3858.67	130.43	5.25	3.5
MW-9	01/30/13	2"	123 - 145	145	3990.40	135.62	3858.74	130.36	5.26	4.0
MW-9	02/13/13	2"	123 - 145	145	3990.40	135.60	3858.76	130.33	5.27	--
MW-9	02/18/13	2"	123 - 145	145	3990.40	135.58	3858.58	130.58	5.00	2.5
MW-9	03/04/13	2"	123 - 145	145	3990.40	135.68	3858.71	130.38	5.30	--
MW-9	03/18/13	2"	123 - 145	145	3990.40	135.68	3858.62	130.50	5.18	2.5
MW-9	04/01/13	2"	123 - 145	145	3990.40	135.58	3858.71	130.41	5.17	3.0
MW-9	04/15/13	2"	123 - 145	145	3990.40	135.75	3858.70	130.37	5.38	2.3
MW-9	04/23/13	2"	123 - 145	145	3990.40	135.66	3858.58	130.55	5.11	--
MW-9	04/29/13	2"	123 - 145	145	3990.40	135.72	3858.72	130.35	5.37	3.0
MW-9	05/15/13	2"	123 - 145	145	3990.40	135.74	3858.69	130.38	5.36	2.7

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-9	05/28/13	2"	123 - 145	145	3990.40	135.75	3858.64	130.45	5.30	2.8
MW-9	06/12/13	2"	123 - 145	145	3990.40	135.70	3858.63	130.47	5.23	2.3
MW-9	06/26/13	2"	123 - 145	145	3990.40	135.71	3858.59	130.53	5.18	2.5
MW-9	07/24/13	2"	123 - 145	145	3990.40	135.81	3859.06	129.87	5.94	2.0
MW-9	08/06/13	2"	123 - 145	145	3990.40	135.81	3858.16	131.06	4.75	2.3
MW-9	08/21/13	2"	123 - 145	145	3990.40	135.84	3857.88	131.43	4.41	2.5
MW-9	09/03/13	2"	123 - 145	145	3990.40	135.82	3857.90	131.41	4.41	2.5
MW-9	09/18/13	2"	123 - 145	145	3990.40	135.82	3857.91	131.39	4.43	2.5
MW-9	09/23/13	2"	123 - 145	145	3990.40	135.61	3857.48	132.03	3.58	--
MW-9	09/23/13	2"	123 - 145	145	3990.40	133.09	3857.55	132.77		--
MW-9	10/02/13	2"	123 - 145	145	3990.40	135.80	3857.45	132.01	3.79	2.0
MW-9	10/16/13	2"	123 - 145	145	3990.40	135.68	3857.37	132.15	3.53	1.5
MW-9	10/21/13	2"	123 - 145	145	3990.40	135.61	3857.42	132.11	3.50	--
MW-9	10/30/13	2"	123 - 145	145	3990.40	135.98	3857.28	132.18	3.80	2.5
MW-9	11/13/13	2"	123 - 145	145	3990.40	135.88	3857.42	132.02	3.86	2.5
MW-9	12/04/13	2"	123 - 145	145	3990.40	135.95	3857.61	131.75	4.20	2.0
MW-9	12/12/13	2"	123 - 145	145	3990.40	136.05	3857.49	131.87	4.18	2.0
MW-9	12/30/13	2"	123 - 145	145	3990.40	135.98	3857.59	131.76	4.22	1.3
MW-9	02/11/14	2"	123 - 145	145	3990.40	136.10	3857.52	131.82	4.28	--
MW-9	02/25/14	2"	123 - 145	145	3990.40	136.22	3857.26	132.12	4.10	1.5
MW-9	02/25/14	2"	123 - 145	145	3990.40	133.01	3857.40	133.00		NA
MW-9	03/13/14	2"	123 - 145	145	3990.40	136.12	3857.27	132.15	3.97	1.5
MW-9	03/27/14	2"	123 - 145	145	3990.40	136.17	3857.12	132.33	3.84	2.5
MW-9	04/10/14	2"	123 - 145	145	3990.40	136.24	3857.08	132.36	3.88	1.0
MW-9	04/24/14	2"	123 - 145	145	3990.40	136.25	3856.98	132.49	3.76	2.3
MW-9	05/08/14	2"	123 - 145	145	3990.40	136.26	3857.07	132.36	3.90	2.5
MW-9	06/19/14	2"	123 - 145	145	3990.40	136.33	3857.01	132.42	3.91	2.0
MW-9	07/03/14	2"	123 - 145	145	3990.40	---------- not gauged ----------				--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-9	08/01/14	2"	123 - 145	145	3990.40	136.41	3857.01	132.40	4.01	2.5
MW-9	08/28/14	2"	123 - 145	145	3990.40	136.51	3856.89	132.52	3.99	2.0
MW-9	09/11/14	2"	123 - 145	145	3990.40	---------- not gauged ----------				--
MW-9	10/24/14	2"	123 - 145	145	3990.40	136.64	3856.63	132.82	3.82	2.0
MW-9	10/27/14	2"	123 - 145	145	3990.40	136.60	3856.70	132.75	3.85	--
MW-9	01/13/15	2"	123 - 145	145	3990.40	136.59	3856.67	132.79	3.80	2.0
MW-9	01/29/15	2"	123 - 145	145	3990.40	136.20	3856.24	133.49	2.71	1.5
MW-9	02/10/15	2"	123 - 145	145	3990.40	136.66	3856.56	132.91	3.75	1.5
MW-9	02/24/15	2"	123 - 145	145	3990.40	136.68	3856.68	132.75	3.93	2.0
MW-9	03/12/15	2"	123 - 145	145	3990.40	136.85	3856.37	133.10	3.75	1.0
MW-9	03/26/15	2"	123 - 145	145	3990.40	136.77	3856.26	133.27	3.50	2.1
MW-9	04/09/15	2"	123 - 145	145	3990.40	136.74	3856.34	133.18	3.56	1.0
MW-9	04/21/15	2"	123 - 145	145	3990.40	136.81	3856.33	133.16	3.65	1.0
MW-9	05/06/15	2"	123 - 145	145	3990.40	---------- not gauged ----------				--
MW-9	05/21/15	2"	123 - 145	145	3990.40	---------- not gauged ----------				--
MW-9	06/04/15	2"	123 - 145	145	3990.40	136.83	3856.29	133.21	3.62	1.5
MW-9	07/02/15	2"	123 - 145	145	3990.40	136.90	3856.20	133.31	3.59	2.0
MW-9	07/16/15	2"	123 - 145	145	3990.40	137.00	3856.08	133.43	3.57	2.0
MW-9	07/30/15	2"	123 - 145	145	3990.40	134.42	3856.11	134.25		--
MW-9	08/27/15	2"	123 - 145	145	3990.40	136.97	3856.05	133.48	3.49	86.4
MW-9	09/10/15	2"	123 - 145	145	3990.40	137.05	3855.94	133.61	3.44	0.3
MW-9	09/25/15	2"	123 - 145	145	3990.40	136.98	3855.74	133.89	3.09	2.9
MW-9	10/08/15	2"	123 - 145	145	3990.40	---------- not gauged ----------				--
MW-9	10/26/15	2"	123 - 145	145	3990.40	---------- not gauged ----------				--
MW-9	11/05/15	2"	123 - 145	145	3990.40	136.95	3856.09	133.44	3.51	1.5
MW-9	12/10/15	2"	123 - 145	145	3990.40	136.11	3855.97	133.88	2.23	75.6
MW-9	12/11/15	2"	123 - 145	145	3990.40	136.27	3856.20	133.52	2.75	48.1
MW-9	01/14/16	2"	123 - 145	145	3990.40	---------- not gauged ----------				--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-9	02/25/16	2"	123 - 145	145	3990.40	136.70	3855.69	134.05	2.65	1.5
MW-9	02/29/16	2"	123 - 145	145	3990.40	136.70	3855.69	134.05	2.65	--
MW-9	03/10/16	2"	123 - 145	145	3990.40	137.24	3855.69	133.87	3.37	1.5
MW-9	03/22/16	2"	123 - 145	145	3990.40	137.26	3855.67	133.90	3.36	1.5
MW-9	04/04/16	2"	123 - 145	145	3990.40	137.38	3855.61	133.93	3.45	1.4
MW-9	04/21/16	2"	123 - 145	145	3990.40	137.12	3856.04	133.45	3.67	2.5
MW-9	05/20/16	2"	123 - 145	145	3990.40	136.93	3856.12	133.41	3.52	1.3
MW-9	06/02/16	2"	123 - 145	145	3990.40	137.39	3855.45	134.14	3.25	1.5
MW-9	06/16/16	2"	123 - 145	145	3990.40	137.48	3854.97	134.76	2.72	1.5
MW-9	06/30/16	2"	123 - 145	145	3990.40	137.37	3855.47	134.12	3.25	1.5
MW-9	07/14/16	2"	123 - 145	145	3990.40	136.89	3855.71	133.97	2.92	1.5
MW-9	07/25/16	2"	123 - 145	145	3990.40	136.52	3855.91	133.82	2.70	2.0
MW-9	08/22/16	2"	123 - 145	145	3990.40	135.98	3856.07	133.78	2.20	--
MW-9	09/09/16	2"	123 - 145	145	3990.40	---------- not gauged ----------				--
MW-9	09/22/16	2"	123 - 145	145	3990.40	136.35	3856.39	133.24	3.11	1.5
MW-9	10/06/16	2"	123 - 145	145	3990.40	136.31	3856.41	133.22	3.09	1.5
MW-9	10/20/16	2"	123 - 145	145	3990.40	134.95	3856.41	133.68	1.27	1.3
MW-9	11/03/16	2"	123 - 145	145	3990.40	134.75	3856.58	133.51	1.24	1.2
MW-9	11/16/16	2"	123 - 145	145	3990.40	134.48	3856.72	133.42	1.06	1.1
MW-9	11/28/16	2"	123 - 145	145	3990.40	134.52	3856.67	133.47	1.05	1.0
MW-9	12/15/16	2"	123 - 145	145	3990.40	134.50	3856.68	133.46	1.04	1.0
MW-9	02/06/17	2"	123 - 145	145	3990.40	134.56	3857.04	132.97	1.59	1.3
MW-9	02/28/17	2"	123 - 145	145	3990.40	135.21	3856.79	133.08	2.13	--
MW-9	03/08/17	2"	123 - 145	145	3990.40	134.30	3857.08	133.00	1.30	0.5
MW-9	03/25/17	2"	123 - 145	145	3990.40	134.47	3857.10	132.91	1.56	0.8
MW-9	04/13/17	2"	123 - 145	145	3990.40	---------- not gauged ----------				--
MW-9	05/01/17	2"	123 - 145	145	3990.40	133.95	3857.41	132.67	1.28	1.0
MW-9	06/12/17	2"	123 - 145	145	3990.40	133.73	3857.52	132.60	1.13	0.8

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-9	06/26/17	2"	123 - 145	145	3990.40	133.64	3857.59	132.53	1.11	1.0
MW-9	07/24/17	2"	123 - 145	145	3990.40	134.07	3857.48	132.54	1.53	1.0
MW-9	08/07/17	2"	123 - 145	145	3990.40					
MW-9	08/28/17	2"	123 - 145	145	3990.40	134.23	3857.42	132.57	1.66	0.3
MW-9	09/20/17	2"	123 - 145	145	3990.40	133.97	3857.53	132.51	1.46	0.5
MW-9	10/16/17	2"	123 - 145	145	3990.40	134.18	3857.72	132.18	2.00	0.5
MW-9	10/31/17	2"	123 - 145	145	3990.40	134.11	3857.55	132.43	1.68	0.6
MW-9	11/13/17	2"	123 - 145	145	3990.40	134.30	3857.44	132.52	1.78	0.5
MW-9	11/27/17	2"	123 - 145	145	3990.40	134.23	3857.55	132.40	1.83	1.3
MW-9	12/11/17	2"	123 - 145	145	3990.40	134.21	3857.53	132.43	1.78	--
MW-9	01/02/18	2"	123 - 145	145	3990.40	134.40	3857.35	132.60	1.80	1.0
MW-9	01/08/18	2"	123 - 145	145	3990.40	134.41	3857.43	132.49	1.92	1.0
MW-9	01/24/18	2"	123 - 145	145	3990.40	134.52	3857.19	132.78	1.74	1.0
MW-9	02/05/18	2"	123 - 145	145	3990.40	134.58	3857.44	132.42	2.16	0.3
MW-9	02/23/18	2"	123 - 145	145	3990.40	134.24	3857.57	132.37	1.87	1.0
MW-9	03/05/18	2"	123 - 145	145	3990.40	134.20	3857.37	132.65	1.55	1.0
MW-9	04/03/18	2"	123 - 145	145	3990.40	134.45	3857.27	132.69	1.76	--
MW-9	04/16/18	2"	123 - 145	145	3990.40	134.65	3857.36	132.51	2.14	1.0
MW-9	04/30/18	2"	123 - 145	145	3990.40	134.89	3857.20	132.64	2.25	0.6
MW-9	05/14/18	2"	123 - 145	145	3990.40	134.93	3857.15	132.69	2.24	0.5
MW-9	06/01/18	2"	123 - 145	145	3990.40	135.10	3857.07	132.74	2.36	--
MW-9	06/11/18	2"	123 - 145	145	3990.40	135.21	3857.00	132.80	2.41	2.0
MW-9	06/25/18	2"	123 - 145	145	3990.40	135.52	3856.69	133.11	2.41	--
MW-9	07/09/18	2"	123 - 145	145	3990.40	135.83	3856.62	133.11	2.72	0.8
MW-9	07/23/18	2"	123 - 145	145	3990.40	135.76	3856.66	133.08	2.68	0.9
MW-9	08/03/18	2"	123 - 145	145	3990.40	135.72	3856.66	133.09	2.63	1.3
MW-9	08/20/18	2"	123 - 145	145	3990.40	135.63	3856.69	133.08	2.55	1.3
MW-9	08/27/18	2"	123 - 145	145	3990.40	135.49	3856.77	133.02	2.47	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-9	10/01/18	2"	123 - 145	145	3990.40	135.38	3856.79	133.03	2.35	1.4
MW-9	10/15/18	2"	123 - 145	145	3990.40	135.44	3856.75	133.06	2.38	--
MW-9	11/13/18	2"	123 - 145	145	3990.40	135.47	3856.68	133.14	2.33	1.2
MW-9	12/03/18	2"	123 - 145	145	3990.40	136.01	3856.47	133.24	2.77	2.0
MW-9	01/28/19	2"	123 - 145	145	3990.40	136.11	3856.44	133.25	2.86	1.5
MW-9	12/16/19	2"	123 - 145	145	3990.40	136.34	3856.17	133.53	2.81	--
MW-9	01/30/20	2"	123 - 145		3990.40	137.34	3855.47	134.13	3.21	5.0
MW-9	02/12/20	2"	123 - 145		3990.40	137.38	3855.46	134.13	3.25	2.5
MW-9	02/27/20	2"	123 - 145		3990.40	137.44	3855.40	134.19	3.25	2.0
MW-9	03/13/20	2"	123 - 145		3990.40	---------- not gauged ----------				--
MW-9	03/27/20	2"	123 - 145		3990.40	137.49	3855.31	134.30	3.19	--
MW-9	04/06/20	2"	123 - 145	148.15	3990.40	137.50	3855.31	134.30	3.20	--
MW-9	04/07/20	2"	123 - 145		3990.40	137.50	3855.31	134.30	3.20	2.0
MW-9	04/23/20	2"	123 - 145		3990.40	137.51	3855.30	134.30	3.21	--
MW-9	05/12/20	2"	123 - 145		3990.40	137.38	3855.43	134.18	3.20	2.5
MW-9	06/09/21	2"	123 - 145		3990.40	136.91	3855.51	134.23	2.68	--
MW-9	07/20/21	2"	123 - 145		3990.40	136.25	3855.78	134.08	2.17	--
MW-9	09/14/21	2"	123 - 145		3990.40	136.28	3855.80	134.04	2.24	4.0
MW-9	10/21/21	2"	123 - 145		3990.40	136.35	3855.67	134.20	2.15	11.5
MW-9	11/10/21	2"	123 - 145		3990.40	136.55	3855.59	134.23	2.32	8.0
MW-9	12/22/21	2"	123 - 145		3990.40	137.00	3855.35	134.41	2.59	7.0
MW-10	10/08/02	2"	123 - 145	145	3992.85	133.64	3859.21	--	--	--
MW-10	08/11/03	2"	123 - 145	145	3992.85	132.12	3860.73	--	--	--
MW-10	02/16/05	2"	123 - 145	145	3992.85	130.88	3861.97	--	--	--
MW-10	04/07/06	2"	123 - 145	145	3992.85	131.87	3860.98	--	--	--
MW-10	06/29/06	2"	123 - 145	145	3992.85	---------- not gauged ----------				--
MW-10	10/12/06	2"	123 - 145	145	3992.85	132.08	3860.77	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-10	04/26/07	2"	123 - 145	145	3992.85	132.02	3860.83	--	--	--
MW-10	10/18/07	2"	123 - 145	145	3992.85	132.03	3860.82	--	--	--
MW-10	05/14/08	2"	123 - 145	145	3992.85	132.03	3860.82	--	--	--
MW-10	10/14/08	2"	123 - 145	145	3992.85	132.08	3860.77	--	--	--
MW-10	04/09/09	2"	123 - 145	145	3992.85	132.46	3860.39	--	--	--
MW-10	09/29/09	2"	123 - 145	145	3992.85	132.79	3860.06	--	--	--
MW-10	04/05/10	2"	123 - 145	145	3992.85	133.04	3859.81	--	--	--
MW-10	10/04/10	2"	123 - 145	145	3992.85	133.21	3859.64	--	--	--
MW-10	04/18/11	2"	123 - 145	145	3992.85	133.65	3859.20	--	--	--
MW-10	10/18/11	2"	123 - 145	145	3992.85	133.71	3859.14	--	--	--
MW-10	04/23/12	2"	123 - 145	145	3992.85	133.61	3859.24	--	--	--
MW-10	11/05/12	2"	123 - 145	145	3992.85	133.36	3859.49	--	--	--
MW-10	04/23/13	2"	123 - 145	145	3992.85	133.57	3859.28	--	--	--
MW-10	10/21/13	2"	123 - 145	145	3992.85	134.14	3858.71	--	--	--
MW-10	02/11/14	2"	123 - 145	145	3992.85	134.20	3858.65	--	--	--
MW-10	10/27/14	2"	123 - 145	145	3992.85	134.81	3858.04	--	--	--
MW-10	02/24/15	2"	123 - 145	145	3992.85	134.75	3858.10	--	--	--
MW-10	10/26/15	2"	123 - 145	145	3992.85	135.17	3857.68	--	--	--
MW-10	02/29/16	2"	123 - 145	145	3992.85	135.42	3857.43	--	--	--
MW-10	08/22/16	2"	123 - 145	145	3992.85	135.42	3857.43	--	--	--
MW-10	02/28/17	2"	123 - 145	145	3992.85	134.83	3858.02	--	--	--
MW-10	08/28/17	2"	123 - 145	145	3992.85	134.52	3858.33	--	--	--
MW-10	04/03/18	2"	123 - 145	145	3992.85	134.72	3858.13	--	--	--
MW-10	08/27/18	2"	123 - 145	145	3992.85	135.11	3857.74	--	--	--
MW-10	01/28/19	2"	123 - 145	145	3992.85	Obstruction at 3 ft		--	--	--
MW-10	12/16/19	2"	123 - 145	145	3992.85	136.30	3856.55	--	--	--
MW-10	04/06/20	2"	123 - 145	147.51	3992.85	136.38	3856.47	--	--	--
MW-10	06/09/21	2"	123 - 145	148.89	3992.85	133.50	3859.35	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-10	11/10/21	2"	123 - 145	140.32	3992.85	133.61	3859.24	--	--	--
MW-11	10/08/02	2"	123 - 145	145	3991.74	132.18	3859.56	--	--	--
MW-11	08/11/03	2"	123 - 145	145	3991.74	130.68	3861.06	--	--	--
MW-11	02/16/05	2"	123 - 145	145	3991.74	129.43	3862.31	--	--	--
MW-11	04/07/06	2"	123 - 145	145	3991.74	130.49	3861.25	--	--	--
MW-11	06/29/06	2"	123 - 145	145	3991.74	---------- not gauged ----------				--
MW-11	10/12/06	2"	123 - 145	145	3991.74	130.70	3861.04	--	--	--
MW-11	04/26/07	2"	123 - 145	145	3991.74	130.65	3861.09	--	--	--
MW-11	10/18/07	2"	123 - 145	145	3991.74	130.69	3861.05	--	--	--
MW-11	05/14/08	2"	123 - 145	145	3991.74	130.65	3861.09	--	--	--
MW-11	10/14/08	2"	123 - 145	145	3991.74	130.77	3860.97	--	--	--
MW-11	04/09/09	2"	123 - 145	145	3991.74	NG--Well Destroyed		--	--	--
MW-12	10/08/02	2"	123 - 145	145	3989.62	129.77	3859.85	--	--	--
MW-12	08/11/03	2"	123 - 145	145	3989.62	128.77	3860.85	--	--	--
MW-12	02/16/05	2"	123 - 145	145	3989.62	127.65	3861.97	--	--	--
MW-12	04/07/06	2"	123 - 145	145	3989.62	128.80	3860.82	--	--	--
MW-12	06/29/06	2"	123 - 145	145	3989.62	---------- not gauged ----------				--
MW-12	10/12/06	2"	123 - 145	145	3989.62	128.91	3860.71	--	--	--
MW-12	04/26/07	2"	123 - 145	145	3989.62	128.82	3860.80	--	--	--
MW-12	10/18/07	2"	123 - 145	145	3989.62	128.81	3860.81	--	--	--
MW-12	05/14/08	2"	123 - 145	145	3989.62	128.78	3860.84	--	--	--
MW-12	10/14/08	2"	123 - 145	145	3989.62	128.90	3860.72	--	--	--
MW-12	04/09/09	2"	123 - 145	145	3989.62	129.40	3860.22	--	--	--
MW-12	09/29/09	2"	123 - 145	145	3989.62	129.84	3859.78	--	--	--
MW-12	04/05/10	2"	123 - 145	145	3989.62	130.06	3859.56	--	--	--
MW-12	10/04/10	2"	123 - 145	145	3989.62	130.24	3859.38	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-12	04/18/11	2"	123 - 145	145	3989.62	130.75	3858.87	--	--	--
MW-12	10/18/11	2"	123 - 145	145	3989.62	130.96	3858.66	--	--	--
MW-12	04/23/12	2"	123 - 145	145	3989.62	130.61	3859.01	--	--	--
MW-12	10/21/13	2"	123 - 145	145	3989.62	131.61	3858.01	--	--	--
MW-12	11/05/12	2"	123 - 145	145	3989.62	130.31	3859.31	--	--	--
MW-12	04/23/13	2"	123 - 145	145	3989.62	---------- damaged ----------				--
MW-12	10/21/13	2"	123 - 145	145	3989.62	131.61	3858.01	--	--	--
MW-12	02/11/14	2"	123 - 145	145	3989.62	131.20	3858.42	--	--	--
MW-12	10/27/14	2"	123 - 145	145	3989.62	131.93	3857.69	--	--	--
MW-12	02/24/15	2"	123 - 145	145	3989.62	131.95	3857.67	--	--	--
MW-12	10/26/15	2"	123 - 145	145	3989.62	132.21	3857.41	--	--	--
MW-12	02/29/16	2"	123 - 145	145	3989.62	132.80	3856.82	--	--	--
MW-12	08/22/16	2"	123 - 145	145	3989.62	132.71	3856.91	--	--	--
MW-12	02/28/17	2"	123 - 145	145	3989.62	131.80	3857.82	--	--	--
MW-12	08/28/17	2"	123 - 145	145	3989.62	131.80	3857.82	--	--	--
MW-12	04/03/18	2"	123 - 145	145	3989.62	131.61	3858.01	--	--	--
MW-12	08/27/18	2"	123 - 145	145	3989.62	132.13	3857.49	--	--	--
MW-12	01/28/19	2"	123 - 145	145	3989.62	133.05	3856.57	--	--	--
MW-12	12/16/19	2"	123 - 145	145	3989.62	133.12	3856.50	--	--	--
MW-12	04/06/20	2"	123 - 145	139.55	3989.62	133.27	3856.35	--	--	--
MW-12	06/09/21	2"	123 - 145	144.58	3989.62	133.21	3856.41	--	--	--
MW-12	11/10/21	2"	123 - 145	144.54	3989.62	133.23	3856.39	--	--	--
MW-13	10/08/02	2"	123 - 145	145	3990.60	132.59	3858.01	--	--	--
MW-13	08/11/03	2"	123 - 145	145	3990.60	130.37	3860.23	--	--	--
MW-13	02/16/05	2"	123 - 145	145	3990.60	129.30	3861.30	--	--	--
MW-13	04/07/06	2"	123 - 145	145	3990.60	130.59	3860.01	--	--	--
MW-13	06/29/06	2"	123 - 145	145	3990.60	---------- not gauged ----------				--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-13	10/12/06	2"	123 - 145	145	3990.60	132.62	3857.98	--	--	--
MW-13	04/26/07	2"	123 - 145	145	3990.60	130.47	3860.13	--	--	--
MW-13	10/18/07	2"	123 - 145	145	3990.60	130.41	3860.19	--	--	--
MW-13	05/20/08	2"	123 - 145	145	3990.60	130.41	3860.19	--	--	--
MW-13	10/20/08	2"	123 - 145	145	3990.60	129.04	3861.56	--	--	--
MW-13	04/09/09	2"	123 - 145	145	3990.60	131.05	3859.55	--	--	--
MW-13	09/29/09	2"	123 - 145	145	3990.60	131.58	3859.02	--	--	--
MW-13	04/05/10	2"	123 - 145	145	3990.60	131.85	3858.75	--	--	--
MW-13	10/04/10	2"	123 - 145	145	3990.60	132.06	3858.54	--	--	--
MW-13	04/18/11	2"	123 - 145	145	3990.60	132.65	3857.95	--	--	--
MW-13	10/18/11	2"	123 - 145	145	3990.60	132.73	3857.87	--	--	--
MW-13	04/23/12	2"	123 - 145	145	3990.60	132.27	3858.33	--	--	--
MW-13	11/05/12	2"	123 - 145	145	3990.60	131.85	3858.75	--	--	--
MW-13	04/23/13	2"	123 - 145	145	3990.60	131.92	3858.68	--	--	--
MW-13	10/21/13	2"	123 - 145	145	3990.6	133.36	3857.24	--	--	--
MW-13	02/11/14	2"	123 - 145	145	3990.60	133.06	3857.54	--	--	--
MW-13	10/27/14	2"	123 - 145	145	3990.60	133.92	3856.68	--	--	--
MW-13	02/24/15	2"	123 - 145	145	3990.60	134.00	3856.60	--	--	--
MW-13	10/26/15	2"	123 - 145	145	3990.60	134.32	3856.28	--	--	--
MW-13	02/29/16	2"	123 - 145	145	3990.60	134.85	3855.75	--	--	--
MW-13	08/22/16	2"	123 - 145	145	3990.60	134.35	3856.25	--	--	--
MW-13	2/28/2017	2"	123 - 145	145	3990.60	133.70	3856.90	--	--	--
MW-13	08/28/17	2"	123 - 145	145	3990.60	133.30	3857.30	--	--	--
MW-13	04/03/18	2"	123 - 145	145	3990.60	133.25	3857.35	--	--	--
MW-13	08/27/18	2"	123 - 145	145	3990.60	133.81	3856.79	--	--	--
MW-13	01/28/19	2"	123 - 145	145	3990.60	134.70	3855.90	--	--	--
MW-13	12/16/19	2"	123 - 145	145	3990.60	135.12	3855.48	--	--	--
MW-13	04/06/20	2"	123 - 145	144.72	3990.60	135.16	3855.44	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-13	06/09/21	2"	123 - 145	144.80	3990.60	134.93	3855.67	--	--	--
MW-13	11/10/21	2"	123 - 145	144.67	3990.60	134.93	3855.67	--	--	--
MW-14	10/08/02	2"	123 - 145	145	3991.27	133.31	3857.96	--	--	--
MW-14	08/11/03	2"	123 - 145	145	3991.27	131.17	3860.10	--	--	--
MW-14	02/16/05	2"	123 - 145	145	3991.27	130.12	3861.15	--	--	--
MW-14	04/07/06	2"	123 - 145	145	3991.27	131.53	3859.74	--	--	--
MW-14	06/29/06	2"	123 - 145	145	3991.27	131.57	3859.70	--	--	--
MW-14	10/12/06	2"	123 - 145	145	3991.27	132.18	3859.09	--	--	--
MW-14	04/26/07	2"	123 - 145	145	3991.27	131.23	3860.04	--	--	--
MW-14	10/18/07	2"	123 - 145	145	3991.27	131.21	3860.06	--	--	--
MW-14	05/20/08	2"	123 - 145	145	3991.27	131.18	3860.09	--	--	--
MW-14	10/20/08	2"	123 - 145	145	3991.27	131.23	3860.04	--	--	--
MW-14	04/09/09	2"	123 - 145	145	3991.27	131.77	3859.50	--	--	--
MW-14	09/29/09	2"	123 - 145	145	3991.27	132.39	3858.88	--	--	--
MW-14	04/05/10	2"	123 - 145	145	3991.27	132.59	3858.68	--	--	--
MW-14	10/04/10	2"	123 - 145	145	3991.27	132.17	3859.10	--	--	--
MW-14	04/18/11	2"	123 - 145	145	3991.27	133.50	3857.77	--	--	--
MW-14	10/18/11	2"	123 - 145	145	3991.27	133.67	3857.60	--	--	--
MW-14	04/23/12	2"	123 - 145	145	3991.27	132.94	3858.33	--	--	--
MW-14	11/05/12	2"	123 - 145	145	3991.27	132.49	3858.78	--	--	--
MW-14	04/23/13	2"	123 - 145	145	3991.27	132.64	3858.63	--	--	--
MW-14	10/21/13	2"	123 - 145	145	3991.27	133.85	3857.42	--	--	--
MW-14	02/11/14	2"	123 - 145	145	3991.27	133.84	3857.43	--	--	--
MW-14	10/27/14	2"	123 - 145	145	3991.27	134.72	3856.55	--	--	--
MW-14	02/24/15	2"	123 - 145	145	3991.27	134.75	3856.52	--	--	--
MW-14	10/26/15	2"	123 - 145	145	3991.27	135.25	3856.02	--	--	--
MW-14	02/29/16	2"	123 - 145	145	3991.27	135.50	3855.77	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-14	08/22/16	2"	123 - 145	145	3991.27	135.08	3856.19	--	--	--
MW-14	2/28/2017	2"	123 - 145	145	3991.27	134.40	3856.87	--	--	--
MW-14	08/28/17	2"	123 - 145	145	3991.27	133.78	3857.49	--	--	--
MW-14	04/03/18	2"	123 - 145	145	3991.27	134.02	3857.25	--	--	--
MW-14	08/27/18	2"	123 - 145	145	3991.27	134.50	3856.77	--	--	--
MW-14	01/28/19	2"	123 - 145	145	3991.27	135.30	3855.97	--	--	--
MW-14	12/16/19	2"	123 - 145	145	3991.27	136.05	3855.22	--	--	--
MW-14	04/06/20	2"	123 - 145	147.20	3991.27	136.06	3855.21	--	--	--
MW-14	06/09/21	2"	123 - 145	147.28	3991.27	135.65	3855.62	--	--	--
MW-14	11/10/21	2"	123 - 145	147.48	3991.27	135.09	3856.18	--	--	--
MW-15	10/08/02	2"	124 - 146	146	3992.42	133.82	3858.60	--	--	--
MW-15	08/11/03	2"	124 - 146	146	3992.42	132.07	3860.35	--	--	--
MW-15	02/16/05	2"	124 - 146	146	3992.42	131.05	3861.37	--	--	--
MW-15	04/07/06	2"	124 - 146	146	3992.42	131.20	3861.22	--	--	--
MW-15	06/29/06	2"	124 - 146	146	3992.42	132.31	3860.11	--	--	--
MW-15	10/12/06	2"	124 - 146	146	3992.42	132.25	3860.17	--	--	--
MW-15	04/26/07	2"	124 - 146	146	3992.42	132.14	3860.28	--	--	--
MW-15	10/18/07	2"	124 - 146	146	3992.42	132.18	3860.24	--	--	--
MW-15	05/19/08	2"	124 - 146	146	3992.42	---------- not gauged ----------				--
MW-15	10/14/08	2"	124 - 146	146	3992.42	132.12	3860.30	--	--	--
MW-15	04/09/09	2"	124 - 146	146	3992.42	132.51	3859.91	--	--	--
MW-15	09/29/09	2"	124 - 146	146	3992.42	132.89	3859.53	--	--	--
MW-15	04/05/10	2"	124 - 146	146	3992.42	133.11	3859.31	--	--	--
MW-15	10/04/10	2"	124 - 146	146	3992.42	133.33	3859.09	--	--	--
MW-15	04/18/11	2"	124 - 146	146	3992.42	133.15	3859.27	--	--	--
MW-15	10/18/11	2"	124 - 146	146	3992.42	133.33	3859.09	--	--	--
MW-15	04/23/12	2"	124 - 146	146	3992.42	133.64	3858.78	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-15	11/05/12	2"	124 - 146	146	3992.42	133.35	3859.07	--	--	--
MW-15	04/23/13	2"	124 - 146	146	3992.42	133.54	3858.88	--	--	--
MW-15	10/21/13	2"	124 - 146	146	3992.42	134.06	3858.36	--	--	--
MW-15	02/11/14	2"	124 - 146	146	3992.42	134.28	3858.14	--	--	--
MW-15	10/27/14	2"	124 - 146	146	3992.42	135.15	3857.27	--	--	--
MW-15	02/24/15	2"	124 - 146	146	3992.42	135.13	3857.29	--	--	--
MW-15	10/26/15	2"	124 - 146	146	3992.42	135.66	3856.76	--	--	--
MW-15	02/29/16	2"	124 - 146	146	3992.42	135.66	3856.76	--	--	--
MW-15	08/22/16	2"	124 - 146	146	3992.42	135.35	3857.07	--	--	--
MW-15	2/28/2017	2"	124 - 146	146	3992.42	134.85	3857.57	--	--	--
MW-15	08/28/17	2"	124 - 146	146	3992.42	134.23	3858.19	--	--	--
MW-15	04/03/18	2"	124 - 146	146	3992.42	134.65	3857.77	--	--	--
MW-15	08/27/18	2"	124 - 146	146	3992.42	135.09	3857.33	--	--	--
MW-15	01/28/19	2"	124 - 146	146	3992.42	135.62	3856.80	--	--	--
MW-15	12/16/19	2"	124 - 146	146	3992.42	136.69	3855.73	--	--	--
MW-15	04/06/20	2"	124 - 146	147.94	3992.42	136.76	3855.66	--	--	--
MW-15	06/09/21	2"	124 - 146	147.97	3992.42	136.39	3856.03	--	--	--
MW-15	11/10/21	2"	124 - 146	147.93	3992.42	136.73	3855.69	--	--	--
MW-16	10/22/03	2"	122 - 145	145	3989.17	129.41	3859.76	--	--	--
MW-16	02/16/05	2"	122 - 145	145	3989.17	129.12	3860.05	--	--	--
MW-16	04/07/06	2"	122 - 145	145	3989.17	130.46	3858.71	--	--	--
MW-16	06/29/06	2"	122 - 145	145	3989.17	130.56	3858.61	--	--	--
MW-16	10/12/06	2"	122 - 145	145	3989.17	130.50	3858.67	--	--	--
MW-16	04/26/07	2"	122 - 145	145	3989.17	130.21	3858.96	--	--	--
MW-16	10/18/07	2"	122 - 145	145	3989.17	130.21	3858.96	--	--	--
MW-16	05/19/08	2"	122 - 145	145	3989.17	130.12	3859.05	--	--	--
MW-16	10/14/08	2"	122 - 145	145	3989.17	130.07	3859.10	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-16	04/09/09	2"	122 - 145	145	3989.17	130.50	3858.67	--	--	--
MW-16	09/29/09	2"	122 - 145	145	3989.17	131.05	3858.12	--	--	--
MW-16	04/05/10	2"	122 - 145	145	3989.17	131.35	3857.82	--	--	--
MW-16	10/04/10	2"	122 - 145	145	3989.17	131.58	3857.59	--	--	--
MW-16	04/18/11	2"	122 - 145	145	3989.17	132.08	3857.09	--	--	--
MW-16	10/18/11	2"	122 - 145	145	3989.17	133.54	3855.63	--	--	--
MW-16	04/23/12	2"	122 - 145	145	3989.17	131.62	3857.55	--	--	--
MW-16	11/05/12	2"	122 - 145	145	3989.17	131.26	3857.91	--	--	--
MW-16	04/23/13	2"	122 - 145	145	3989.17	131.14	3858.03	--	--	--
MW-16	10/21/13	2"	122 - 145	145	3989.17	133.21	3855.96	--	--	--
MW-16	02/11/14	2"	122 - 145	145	3989.17	132.71	3856.46	--	--	--
MW-16	10/27/14	2"	122 - 145	145	3989.17	133.76	3855.41	--	--	--
MW-16	02/24/15	2"	122 - 145	145	3989.17	133.86	3855.31	--	--	--
MW-16	10/26/15	2"	122 - 145	145	3989.17	134.55	3854.62	--	--	--
MW-16	02/29/16	2"	122 - 145	145	3989.17	134.32	3854.85	--	--	--
MW-16	08/22/16	2"	122 - 145	145	3989.17	133.57	3855.60	--	--	--
MW-16	2/28/2017	2"	122 - 145	145	3989.17	132.70	3856.47	--	--	--
MW-16	08/28/17	2"	122 - 145	145	3989.17	132.20	3856.97	--	--	--
MW-16	04/03/18	2"	122 - 145	145	3989.17	132.84	3856.33	--	--	--
MW-16	08/27/18	2"	122 - 145	145	3989.17	133.25	3855.92	--	--	--
MW-16	01/29/19	2"	122 - 145	145	3989.17	134.14	3855.03	--	--	--
MW-16	12/16/19	2"	122 - 145	145	3989.17	135.45	3853.72	--	--	--
MW-16	04/06/20	2"	122 - 145	139.95	3989.17	135.49	3853.68	--	--	--
MW-16	06/09/21	2"	122 - 145	143.98	3989.17	134.56	3854.61	--	--	--
MW-16	11/10/21	2"	122 - 145	143.98	3989.17	134.83	3854.34	--	--	--
MW-17	10/22/03	2"	122 - 145	145	3989.92	130.21	3859.71	--	--	--
MW-17	02/16/05	2"	122 - 145	145	3989.92	129.70	3860.22	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-17	04/07/06	2"	122 - 145	145	3989.92	131.18	3858.74	--	--	--
MW-17	06/28/06	2"	122 - 145	145	3989.92	NG	NG	--	--	--
MW-17	10/12/06	2"	122 - 145	145	3989.92	131.12	3858.80	--	--	--
MW-17	04/26/07	2"	122 - 145	145	3989.92	130.85	3859.07	--	--	--
MW-17	10/18/07	2"	122 - 145	145	3989.92	130.83	3859.09	--	--	--
MW-17	05/19/08	2"	122 - 145	145	3989.92	130.73	3859.19	--	--	--
MW-17	10/14/08	2"	122 - 145	145	3989.92	130.86	3859.06	--	--	--
MW-17	04/09/09	2"	122 - 145	145	3989.92	131.32	3858.60	--	--	--
MW-17	09/29/09	2"	122 - 145	145	3989.92	131.98	3857.94	--	--	--
MW-17	04/05/10	2"	122 - 145	145	3989.92	132.20	3857.72	--	--	--
MW-17	10/04/10	2"	122 - 145	145	3989.92	132.52	3857.40	--	--	--
MW-17	04/18/11	2"	122 - 145	145	3989.92	132.90	3857.02	--	--	--
MW-17	10/18/11	2"	122 - 145	145	3989.92	133.02	3856.90	--	--	--
MW-17	04/23/12	2"	122 - 145	145	3989.92	132.33	3857.59	--	--	--
MW-17	11/05/12	2"	122 - 145	145	3989.92	132.00	3857.92	--	--	--
MW-17	04/23/13	2"	122 - 145	145	3989.92	132.02	3857.90	--	--	--
MW-17	10/21/13	2"	122 - 145	145	3989.92	133.18	3856.74	--	--	--
MW-17	02/11/14	2"	122 - 145	145	3989.92	133.47	3856.45	--	--	--
MW-17	10/27/14	2"	122 - 145	145	3989.92	134.54	3855.38	--	--	--
MW-17	02/24/15	2"	122 - 145	145	3989.92	134.81	3855.11	--	--	--
MW-17	10/26/15	2"	122 - 145	145	3989.92	133.21	3856.71	--	--	--
MW-17	02/29/16	2"	122 - 145	145	3989.92	135.20	3854.72	--	--	--
MW-17	08/22/16	2"	122 - 145	145	3989.92	134.53	3855.39	--	--	--
MW-17	02/28/17	2"	122 - 145	145	3989.92	133.70	3856.22	--	--	--
MW-17	08/28/17	2"	122 - 145	145	3989.92	133.03	3856.89	--	--	--
MW-17	04/03/18	2"	122 - 145	145	3989.92	133.54	3856.38	--	--	--
MW-17	08/27/18	2"	122 - 145	145	3989.92	133.98	3855.94	--	--	--
MW-17	01/28/19	2"	122 - 145	145	3989.92	134.91	3855.01	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-17	12/16/19	2"	122 - 145	145	3989.92	136.02	3853.90	--	--	--
MW-17	04/06/20	2"	122 - 145	146.00	3989.92	136.05	3853.87	--	--	--
MW-17	06/09/21	2"	122 - 145	145.92	3989.92	135.20	3854.72	--	--	--
MW-17	11/10/21	2"	122 - 145	146.01	3989.92	135.32	3854.60	--	--	--
MW-18	10/22/03	2"	124.49 - 144.49	145	3989.96	130.12	3859.84	--	--	--
MW-18	02/16/05	2"	124.49 - 144.49	145	3989.96	129.35	3860.61	--	--	--
MW-18	04/07/06	2"	124.49 - 144.49	145	3989.96	130.94	3859.02	--	--	--
MW-18	06/28/06	2'	124.49 - 144.49	145	3989.96	130.87	3859.09	--	--	--
MW-18	10/12/06	2"	124.49 - 144.49	145	3989.96	130.84	3859.12	--	--	--
MW-18	04/26/07	2"	124.49 - 144.49	145	3989.96	130.58	3859.38	--	--	--
MW-18	10/18/07	2"	124.49 - 144.49	145	3989.96	130.57	3859.39	--	--	--
MW-18	05/19/08	2"	124.49 - 144.49	145	3989.96	130.50	3859.46	--	--	--
MW-18	10/20/08	2"	124.49 - 144.49	145	3989.96	130.63	3859.33	--	--	--
MW-18	04/09/09	2"	124.49 - 144.49	145	3989.96	131.25	3858.71	--	--	--
MW-18	09/29/09	2"	124.49 - 144.49	145	3989.96	131.91	3858.05	--	--	--
MW-18	04/05/10	2"	124.49 - 144.49	145	3989.96	132.10	3857.86	--	--	--
MW-18	10/04/10	2"	124.49 - 144.49	145	3989.96	132.17	3857.79	--	--	--
MW-18	04/18/11	2"	124.49 - 144.49	145	3989.96	132.96	3857.00	--	--	--
MW-18	10/18/11	2"	124.49 - 144.49	145	3989.96	132.98	3856.98	--	--	--
MW-18	04/23/12	2"	124.49 - 144.49	145	3989.96	132.19	3857.77	--	--	--
MW-18	11/05/12	2"	124.49 - 144.49	145	3989.96	131.81	3858.15	--	--	--
MW-18	04/23/13	2"	124.49 - 144.49	145	3989.96	132.03	3857.93	--	--	--
MW-18	10/21/13	2"	124.49 - 144.49	145	3989.96	133.32	3856.64	--	--	--
MW-18	02/11/14	2"	124.49 - 144.49	145	3989.96	133.31	3856.65	--	--	--
MW-18	10/27/14	2"	124.49 - 144.49	145	3989.96	134.31	3855.65	--	--	--
MW-18	02/24/15	2"	124.49 - 144.49	145	3989.96	134.39	3855.57	--	--	--
MW-18	10/26/15	2"	124.49 - 144.49	145	3989.96	134.92	3855.04	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-18	02/29/16	2"	124.49 - 144.49	145	3989.96	135.12	3854.84	--	--	--
MW-18	08/22/16	2"	124.49 - 144.49	145	3989.96	134.50	3855.46	--	--	--
MW-18	02/28/17	2"	124.49 - 144.49	145	3989.96	133.80	3856.16	--	--	--
MW-18	08/28/17	2"	124.49 - 144.49	145	3989.96	133.04	3856.92	--	--	--
MW-18	04/03/18	2"	124.49 - 144.49	145	3989.96	133.39	3856.57	--	--	--
MW-18	08/27/18	2"	124.49 - 144.49	145	3989.96	133.84	3856.12	--	--	--
MW-18	01/28/19	2"	124.49 - 144.49	145	3989.96	134.76	3855.20	--	--	--
MW-18	12/16/19	2"	124.49 - 144.49	145	3989.96	135.62	3854.34	--	--	--
MW-18	04/06/20	2"	124.49 - 144.49	145.22	3989.96	135.63	3854.33	--	--	--
MW-18	06/09/21	2"	124.49 - 144.49	145.20	3989.96	135.05	3854.91	--	--	--
MW-18	11/10/21	2"	124.49 - 144.49	145.39	3989.96	135.02	3854.94	--	--	--
MW-19	10/22/03	2"	124.49 - 144.49	145	3991.32	130.48	3860.84	--	--	--
MW-19	02/16/05	2"	124.49 - 144.49	145	3991.32	129.42	3861.90	--	--	--
MW-19	04/07/06	2"	124.49 - 144.49	145	3991.32	130.63	3860.69	--	--	--
MW-19	06/29/06	2"	124.49 - 144.49	145	3991.32	130.07	3861.25	--	--	--
MW-19	10/12/06	2"	124.49 - 144.49	145	3991.32	130.71	3860.61	--	--	--
MW-19	04/26/07	2"	124.49 - 144.49	145	3991.32	130.63	3860.69	--	--	--
MW-19	10/18/07	2"	124.49 - 144.49	145	3991.32	130.62	3860.70	--	--	--
MW-19	05/08/08	2"	124.49 - 144.49	145	3991.32	130.67	3860.65	--	--	--
MW-19	10/08/08	2"	124.49 - 144.49	145	3991.32	130.84	3860.48	--	--	--
MW-19	04/09/09	2"	124.49 - 144.49	145	3991.32	131.78	3859.54	--	--	--
MW-19	09/29/09	2"	124.49 - 144.49	145	3991.32	130.24	3861.08	--	--	--
MW-19	04/05/10	2"	124.49 - 144.49	145	3991.32	134.77	3856.55	--	--	--
MW-19	10/04/10	2"	124.49 - 144.49	145	3991.32	135.05	3856.27	--	--	--
MW-19	03/03/11	2"	124.49 - 144.49	145	3991.32	135.36	3858.94	131.46	3.90	2.0
MW-19	04/07/11	2"	124.49 - 144.49	145	3991.32	135.43	3858.90	131.50	3.93	2.3
MW-19	04/13/11	2"	124.49 - 144.49	145	3991.32	135.52	3858.83	131.56	3.96	1.1

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-19	05/03/11	2"	124.49 - 144.49	145	3991.32	135.51	3858.82	131.58	3.93	1.9
MW-19	05/10/11	2"	124.49 - 144.49	145	3991.32	135.50	3858.73	131.70	3.80	2.0
MW-19	05/17/11	2"	124.49 - 144.49	145	3991.32	135.52	3858.81	131.58	3.94	2.0
MW-19	05/24/11	2"	124.49 - 144.49	145	3991.32	135.50	3858.77	131.65	3.85	--
MW-19	06/28/11	2"	124.49 - 144.49	145	3991.32	135.46	3858.65	131.81	3.65	1.3
MW-19	08/24/11	2"	124.49 - 144.49	145	3991.32	135.65	3858.65	131.75	3.90	2.0
MW-19	08/25/11	2"	124.49 - 144.49	145	3991.32	135.13	3858.63	131.94	3.19	1.5
MW-19	10/18/11	2"	124.49 - 144.49	145	3991.32	135.47	3858.60	131.88	3.59	2.8
MW-19	02/01/12	2"	124.49 - 144.49	145	3991.32	135.11	3858.85	131.66	3.45	0.7
MW-19	02/16/12	2"	124.49 - 144.49	145	3991.32	134.88	3859.00	131.54	3.34	1.0
MW-19	02/28/12	2"	124.49 - 144.49	145	3991.32	135.00	3858.92	131.60	3.40	2.0
MW-19	03/12/12	2"	124.49 - 144.49	145	3991.32	134.95	3858.86	131.69	3.26	1.0
MW-19	03/29/12	2"	124.49 - 144.49	145	3991.32	135.03	3858.89	131.63	3.40	1.2
MW-19	04/10/12	2"	124.49 - 144.49	145	3991.32	135.12	3858.91	131.58	3.54	1.5
MW-19	04/23/12	2"	124.49 - 144.49	145	3991.32	134.85	3858.93	131.64	3.21	--
MW-19	05/08/12	2"	124.49 - 144.49	145	3991.32	134.77	3858.96	131.62	3.15	0.8
MW-19	05/21/12	2"	124.49 - 144.49	145	3991.32	134.68	3859.05	131.53	3.15	1.5
MW-19	06/04/12	2"	124.49 - 144.49	145	3991.32	134.59	3859.03	131.58	3.01	1.5
MW-19	06/18/12	2"	124.49 - 144.49	145	3991.32	134.55	3859.07	131.54	3.01	1.5
MW-19	07/03/12	2"	124.49 - 144.49	145	3991.32	134.63	3859.05	131.55	3.08	2.0
MW-19	07/16/12	2"	124.49 - 144.49	145	3991.32	134.45	3859.10	131.53	2.92	3.0
MW-19	08/02/12	2"	124.49 - 144.49	145	3991.32	134.10	3859.06	131.69	2.41	2.0
MW-19	08/28/12	2"	124.49 - 144.49	145	3991.32	134.21	3859.21	131.46	2.75	1.5
MW-19	09/21/12	2"	124.49 - 144.49	145	3991.32	134.03	3859.29	131.41	2.62	2.5
MW-19	09/24/12	2"	124.49 - 144.49	145	3991.32	133.97	3859.36	131.34	2.63	1.0
MW-19	10/08/12	2"	124.49 - 144.49	145	3991.32	133.94	3859.32	131.40	2.54	1.5
MW-19	10/22/12	2"	124.49 - 144.49	145	3991.32	134.02	3859.24	131.49	2.53	1.5
MW-19	10/30/12	2"	124.49 - 144.49	145	3991.32	134.08	3859.21	131.50	2.58	2.0

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-19	11/05/12	2"	124.49 - 144.49	145	3991.32	133.99	3859.34	131.36	2.63	0.0
MW-19	11/20/12	2"	124.49 - 144.49	145	3991.32	133.99	3859.27	131.45	2.54	4.5
MW-19	12/05/12	2"	124.49 - 144.49	145	3991.32	133.88	3859.26	131.50	2.38	0.0
MW-19	01/08/13	2"	124.49 - 144.49	145	3991.32	133.80	3859.23	131.57	2.23	0.0
MW-19	01/21/13	2"	124.49 - 144.49	145	3991.32	133.17	3859.27	131.71	1.46	0.0
MW-19	02/13/13	2"	124.49 - 144.49	145	3991.32	133.49	3859.36	131.49	2.00	--
MW-19	02/18/13	2"	124.49 - 144.49	145	3991.32	133.39	3859.18	131.76	1.63	0.2
MW-19	03/04/13	2"	124.49 - 144.49	145	3991.32	133.90	3859.29	131.46	2.44	--
MW-19	03/18/13	2"	124.49 - 144.49	145	3991.32	133.95	3859.23	131.52	2.43	0.8
MW-19	04/01/13	2"	124.49 - 144.49	145	3991.32	133.80	3859.28	131.50	2.30	1.0
MW-19	04/15/13	2"	124.49 - 144.49	145	3991.32	134.03	3859.29	131.41	2.62	2.0
MW-19	04/23/13	2"	124.49 - 144.49	145	3991.32	134.04	3859.20	131.53	2.51	--
MW-19	04/29/13	2"	124.49 - 144.49	145	3991.32	134.00	3859.31	131.40	2.60	2.0
MW-19	05/15/13	2"	124.49 - 144.49	145	3991.32	134.08	3859.28	131.41	2.67	0.8
MW-19	05/28/13	2"	124.49 - 144.49	145	3991.32	134.09	3859.23	131.48	2.61	0.8
MW-19	06/12/13	2"	124.49 - 144.49	145	3991.32	134.11	3859.21	131.49	2.62	0.5
MW-19	06/26/13	2"	124.49 - 144.49	145	3991.32	134.18	3859.19	131.50	2.68	1.0
MW-19	07/24/13	2"	124.49 - 144.49	145	3991.32	134.75	3858.94	131.65	3.10	1.5
MW-19	08/06/13	2"	124.49 - 144.49	145	3991.32	134.97	3858.92	131.61	3.36	1.5
MW-19	08/21/13	2"	124.49 - 144.49	145	3991.32	135.45	3858.58	131.91	3.54	2.5
MW-19	09/03/13	2"	124.49 - 144.49	145	3991.32	135.43	3858.61	131.87	3.56	2.5
MW-19	09/18/13	2"	124.49 - 144.49	145	3991.32	135.46	3858.59	131.89	3.57	2.5
MW-19	10/02/13	2"	124.49 - 144.49	145	3991.32	135.78	3858.37	132.08	3.70	2.0
MW-19	10/16/13	2"	124.49 - 144.49	145	3991.32	135.48	3858.22	132.37	3.11	1.5
MW-19	10/21/13	2"	124.49 - 144.49	145	3991.32	130.61	3861.71	129.30	1.31	--
MW-19	10/30/13	2"	124.49 - 144.49	145	3991.32	135.96	3858.10	132.38	3.58	1.8
MW-19	11/13/13	2"	124.49 - 144.49	145	3991.32	135.97	3858.19	132.26	3.71	2.0
MW-19	12/04/13	2"	124.49 - 144.49	145	3991.32	135.89	3858.31	132.12	3.77	1.5

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-19	12/12/13	2"	124.49 - 144.49	145	3991.32	135.90	3858.25	132.20	3.70	3.0
MW-19	12/30/13	2"	124.49 - 144.49	145	3991.32	135.76	3858.34	132.12	3.64	1.3
MW-19	02/11/14	2"	124.49 - 144.49	145	3991.32	135.85	3858.31	132.14	3.71	--
MW-19	02/12/14	2"	124.49 - 144.49	145	3991.32	135.82	3858.29	132.17	3.65	--
MW-19	02/25/14	2"	124.49 - 144.49	145	3991.32	135.82	3858.20	132.29	3.53	1.5
MW-19	03/13/14	2"	124.49 - 144.49	145	3991.32	136.03	3858.10	132.36	3.67	1.8
MW-19	03/27/14	2"	124.49 - 144.49	145	3991.32	136.09	3857.99	132.48	3.61	1.5
MW-19	04/10/14	2"	124.49 - 144.49	145	3991.32	136.16	3857.97	132.49	3.67	2.0
MW-19	04/24/14	2"	124.49 - 144.49	145	3991.32	136.19	3857.85	132.64	3.55	2.3
MW-19	05/08/14	2"	124.49 - 144.49	145	3991.32	136.14	3857.92	132.56	3.58	2.0
MW-19	06/19/14	2"	124.49 - 144.49	145	3991.32	136.21	3857.87	132.60	3.61	2.0
MW-19	07/03/14	2"	124.49 - 144.49	145	3991.32	136.22	3857.88	132.59	3.63	1.5
MW-19	08/01/14	2"	124.49 - 144.49	145	3991.32	136.20	3857.87	132.60	3.60	2.0
MW-19	08/28/14	2"	124.49 - 144.49	145	3991.32	136.35	3857.76	132.70	3.65	1.3
MW-19	09/11/14	2"	124.49 - 144.49	145	3991.32	136.47	3857.63	132.84	3.63	1.5
MW-19	09/25/14	2"	124.49 - 144.49	145	3991.32	136.58	3857.55	132.91	3.67	1.5
MW-19	10/24/14	2"	124.49 - 144.49	145	3991.32	136.62	3857.53	132.92	3.70	1.8
MW-19	10/27/14	2"	124.49 - 144.49	145	3991.32	136.52	3857.57	132.90	3.62	--
MW-19	01/13/15	2"	124.49 - 144.49	145	3991.32	135.97	3857.58	133.01	2.96	2.0
MW-19	01/29/15	2"	124.49 - 144.49	145	3991.32	136.70	3857.33	133.10	3.60	1.5
MW-19	02/10/15	2"	124.49 - 144.49	145	3991.32	134.66	3858.67	131.99	2.67	2.0
MW-19	02/24/15	2"	124.49 - 144.49	145	3991.32	136.56	3857.53	132.87	3.69	1.5
MW-19	03/12/15	2"	124.49 - 144.49	145	3991.32	136.75	3857.33	133.08	3.67	1.3
MW-19	03/26/15	2"	124.49 - 144.49	145	3991.32	136.74	3857.21	133.24	3.50	2.0
MW-19	04/09/15	2"	124.49 - 144.49	145	3991.32	136.76	3857.24	133.19	3.57	1.5
MW-19	04/21/15	2"	124.49 - 144.49	145	3991.32	136.82	3857.24	133.17	3.65	1.0
MW-19	05/06/15	2"	124.49 - 144.49	145	3991.32	136.79	3857.28	133.13	3.66	2.8
MW-19	05/21/15	2"	124.49 - 144.49	145	3991.32	136.78	3857.24	133.19	3.59	3.0

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-19	06/04/15	2"	124.49 - 144.49	145	3991.32	136.80	3857.26	133.15	3.65	1.0
MW-19	07/02/15	2"	124.49 - 144.49	145	3991.32	136.95	3857.14	133.26	3.69	2.0
MW-19	07/16/15	2"	124.49 - 144.49	145	3991.32	137.03	3857.07	133.33	3.70	2.0
MW-19	07/30/15	2"	124.49 - 144.49	145	3991.32	130.77	3860.57	130.74	0.03	--
MW-19	08/28/15	2"	124.49 - 144.49	145	3991.32	137.08	3857.08	133.31	3.77	42.6
MW-19	09/10/15	2"	124.49 - 144.49	145	3991.32	137.18	3856.94	133.45	3.73	1.5
MW-19	09/25/15	2"	124.49 - 144.49	145	3991.32	137.08	3857.01	133.39	3.69	3.0
MW-19	10/08/15	2"	124.49 - 144.49	145	3991.32	136.99	3857.04	133.38	3.61	2.5
MW-19	10/26/15	2"	124.49 - 144.49	145	3991.32	136.75	3857.22	133.23	3.52	--
MW-19	11/05/15	2"	124.49 - 144.49	145	3991.32	136.93	3857.03	133.42	3.51	1.5
MW-19	12/11/15	2"	124.49 - 144.49	145	3991.32	136.90	3857.02	133.44	3.46	44.6
MW-19	01/14/16	2"	124.49 - 144.49	145	3991.32	136.70	3856.88	133.70	3.00	1.3
MW-19	02/25/16	2"	124.49 - 144.49	145	3991.32	137.48	3856.64	133.75	3.73	1.5
MW-19	02/29/16	2"	124.49 - 144.49	145	3991.32	137.48	3856.64	133.75	3.73	--
MW-19	03/10/16	2"	124.49 - 144.49	145	3991.32	137.48	3856.65	133.74	3.74	1.5
MW-19	03/22/16	2"	124.49 - 144.49	145	3991.32	137.50	3856.64	133.75	3.75	1.5
MW-19	04/04/16	2"	124.49 - 144.49	145	3991.32	137.60	3856.56	133.82	3.78	1.5
MW-19	04/21/16	2"	124.49 - 144.49	145	3991.32	137.65	3856.51	133.88	3.77	2.0
MW-19	05/20/16	2"	124.49 - 144.49	145	3991.32	137.76	3856.45	133.92	3.84	1.5
MW-19	06/02/16	2"	124.49 - 144.49	145	3991.32	137.76	3856.45	133.92	3.84	1.5
MW-19	06/16/16	2"	124.49 - 144.49	145	3991.32	137.84	3856.41	133.94	3.90	1.5
MW-19	06/30/16	2"	124.49 - 144.49	145	3991.32	137.76	3856.45	133.92	3.84	1.5
MW-19	07/14/16	2"	124.49 - 144.49	145	3991.32	137.32	3856.57	133.90	3.42	1.5
MW-19	07/25/16	2"	124.49 - 144.49	145	3991.32	136.95	3856.75	133.79	3.16	2.3
MW-19	08/22/16	2"	124.49 - 144.49	145	3991.32	136.62	3856.87	133.73	2.89	1.0
MW-19	09/09/16	2"	124.49 - 144.49	145	3991.32	136.65	3856.90	133.69	2.96	--
MW-19	09/22/16	2"	124.49 - 144.49	145	3991.32	136.71	3856.86	133.72	2.99	1.5
MW-19	10/06/16	2"	124.49 - 144.49	145	3991.32	136.70	3856.88	133.69	3.01	1.5

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-19	10/20/16	2"	124.49 - 144.49	145	3991.32	135.78	3857.10	133.70	2.08	0.4
MW-19	11/03/16	2"	124.49 - 144.49	145	3991.32	135.58	3857.23	133.60	1.98	2.0
MW-19	11/16/16	2"	124.49 - 144.49	145	3991.32	135.30	3857.41	133.45	1.85	1.9
MW-19	11/28/16	2"	124.49 - 144.49	145	3991.32	135.47	3857.30	133.54	1.93	1.0
MW-19	12/15/16	2"	124.49 - 144.49	145	3991.32	135.51	3857.31	133.52	1.99	1.0
MW-19	02/06/17	2"	124.49 - 144.49	145	3991.32	134.81	3857.61	133.35	1.46	1.0
MW-19	02/28/17	2"	124.49 - 144.49	145	3991.32	134.90	3857.59	133.35	1.55	--
MW-19	03/08/17	2"	124.49 - 144.49	145	3991.32	134.76	3857.63	133.34	1.42	0.5
MW-19	03/25/17	2"	124.49 - 144.49	145	3991.32	134.70	3857.69	133.28	1.42	0.8
MW-19	04/13/17	2"	124.49 - 144.49	145	3991.32	134.22	3857.83	133.25	0.97	1.0
MW-19	05/01/17	2"	124.49 - 144.49	145	3991.32	133.85	3858.00	133.15	0.70	0.5
MW-19	06/12/17	2"	124.49 - 144.49	145	3991.32	133.68	3858.08	133.10	0.58	0.5
MW-19	06/26/17	2"	124.49 - 144.49	145	3991.32	133.51	3858.16	133.04	0.47	0.5
MW-19	07/24/17	2"	124.49 - 144.49	145	3991.32	133.96	3858.06	133.03	0.93	0.5
MW-19	08/28/17	2"	124.49 - 144.49	145	3991.32	134.26	3857.98	133.04	1.22	0.2
MW-19	09/20/17	2"	124.49 - 144.49	145	3991.32	133.98	3858.05	133.03	0.95	0.3
MW-19	10/16/17	2"	124.49 - 144.49	145	3991.32	134.02	3858.07	133.00	1.02	0.2
MW-19	10/31/17	2"	124.49 - 144.49	145	3991.32	134.05	3858.06	133.00	1.05	0.5
MW-19	11/13/17	2"	124.49 - 144.49	145	3991.32	134.16	3858.01	133.03	1.13	0.5
MW-19	11/27/17	2"	124.49 - 144.49	145	3991.32	134.20	3858.02	133.00	1.20	0.5
MW-19	12/11/17	2"	124.49 - 144.49	145	3991.32	134.19	3858.03	132.99	1.20	0.8
MW-19	01/02/18	2"	124.49 - 144.49	145	3991.32	134.34	3857.95	133.05	1.29	1.0
MW-19	01/08/18	2"	124.49 - 144.49	145	3991.32	134.49	3857.94	133.01	1.48	1.0
MW-19	01/24/18	2"	124.49 - 144.49	145	3991.32	134.83	3857.73	133.18	1.65	0.5
MW-19	02/05/18	2"	124.49 - 144.49	145	3991.32	134.45	3857.98	132.98	1.47	0.5
MW-19	02/23/18	2"	124.49 - 144.49	145	3991.32	134.18	3858.07	132.94	1.24	0.8
MW-19	03/05/18	2"	124.49 - 144.49	145	3991.32	134.30	3857.92	133.10	1.20	1.0
MW-19	04/03/18	2"	124.49 - 144.49	145	3991.32	134.36	3857.89	133.12	1.24	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-19	04/16/18	2"	124.49 - 144.49	145	3991.32	134.42	3857.98	132.99	1.43	0.8
MW-19	04/30/18	2"	124.49 - 144.49	145	3991.32	134.69	3857.84	133.08	1.61	0.8
MW-19	05/14/18	2"	124.49 - 144.49	145	3991.32	134.81	3857.80	133.10	1.71	0.4
MW-19	06/01/18	2"	124.49 - 144.49	145	3991.32	135.04	3857.72	133.12	1.92	1.0
MW-19	06/11/18	2"	124.49 - 144.49	145	3991.32	135.21	3857.62	133.20	2.01	2.0
MW-19	06/25/18	2"	124.49 - 144.49	145	3991.32	135.62	3857.37	133.40	2.22	1.0
MW-19	07/09/18	2"	124.49 - 144.49	145	3991.32	135.95	3857.33	133.35	2.60	1.0
MW-19	07/23/18	2"	124.49 - 144.49	145	3991.32	135.96	3857.32	133.36	2.60	0.8
MW-19	08/06/18	2"	124.49 - 144.49	145	3991.32	136.06	3857.30	133.35	2.71	1.5
MW-19	08/20/18	2"	124.49 - 144.49	145	3991.32	135.86	3857.31	133.40	2.46	1.3
MW-19	08/27/18	2"	124.49 - 144.49	145	3991.32	135.77	3857.40	133.31	2.46	--
MW-19	10/01/18	2"	124.49 - 144.49	145	3991.32	135.76	3857.37	133.35	2.41	1.5
MW-19	10/15/18	2"	124.49 - 144.49	145	3991.32	135.68	3857.41	133.32	2.36	1.5
MW-19	11/13/18	2"	124.49 - 144.49	145	3991.32	135.78	3857.30	133.44	2.34	1.5
MW-19	12/03/18	2"	124.49 - 144.49	145	3991.32	136.33	3857.12	133.50	2.83	1.5
MW-19	12/11/18	2"	124.49 - 144.49	145	3991.32	136.54	3857.09	133.47	3.07	1.3
MW-19	01/28/19	2"	124.49 - 144.49	145	3991.32	137.06	3856.90	133.55	3.51	--
MW-19	03/05/19	2"	124.49 - 144.49	145	3991.32	137.86	3856.44	133.90	3.96	1.0
MW-19	3/18/19	2"	124.49 - 144.49	145	3991.32	137.75	3856.51	133.84	3.91	1.0
MW-19	04/05/19	2"	124.49 - 144.49	145	3991.32	137.63	3856.53	133.85	3.78	2.5
MW-19	4/18/19	2"	124.49 - 144.49	145	3991.32	137.64	3856.44	133.97	3.67	1.5
MW-19	4/29/19	2"	124.49 - 144.49	145	3991.32	137.62	3856.44	133.97	3.65	1.5
MW-19	5/29/19	2"	124.49 - 144.49	145	3991.32	137.58	3856.51	133.90	3.68	1.6
MW-19	6/10/19	2"	124.49 - 144.49	145	3991.32	137.59	3856.48	133.93	3.66	1.5
MW-19	6/24/19	2"	124.49 - 144.49	145	3991.32	137.47	3856.58	133.84	3.63	1.5
MW-19	7/12/19	2"	124.49 - 144.49	145	3991.32	137.60	3856.49	133.91	3.69	2.0
MW-19	7/22/19	2"	124.49 - 144.49	145	3991.32	137.73	3856.43	133.96	3.77	1.0
MW-19	8/5/19	2"	124.49 - 144.49	145	3991.32	137.66	3856.45	133.95	3.71	2.2

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-19	8/19/19	2"	124.49 - 144.49	145	3991.32	137.18	3856.55	133.97	3.21	2.0
MW-19	9/6/19	2"	124.49 - 144.49	145	3991.32	137.63	3856.48	133.92	3.71	1.5
MW-19	9/16/19	2"	124.49 - 144.49	145	3991.32	137.72	3856.42	133.97	3.75	2.5
MW-19	9/30/19	2"	124.49 - 144.49	145	3991.32	137.74	3856.38	134.01	3.73	1.0
MW-19	12/16/19	2"	124.49 - 144.49	145	3991.32	138.04	3856.15	134.22	3.82	--
MW-19	01/30/20	2"	124.49 - 144.49		3991.32	137.95	3856.21	134.18	3.77	1.0
MW-19	02/12/20	2"	124.49 - 144.49		3991.32	137.96	3856.23	134.15	3.81	1.5
MW-19	02/27/20	2"	124.49 - 144.49		3991.32	138.01	3856.18	134.19	3.82	2.0
MW-19	03/13/20	2"	124.49 - 144.49		3991.32	138.00	3856.15	134.24	3.76	2.0
MW-19	03/27/20	2"	124.49 - 144.49		3991.32	138.08	3856.11	134.26	3.82	--
MW-19	04/06/20	2"	124.49 - 144.49	147.42	3991.32	137.95	3856.17	134.22	3.73	--
MW-19	04/07/20	2"	124.49 - 144.49		3991.32	137.95	3856.17	134.22	3.73	2.0
MW-19	04/23/20	2"	124.49 - 144.49		3991.32	138.02	3856.10	134.30	3.72	--
MW-19	05/12/20	2"	124.49 - 144.49		3991.32	137.92	3856.16	134.25	3.67	2.5
MW-19	06/09/21	2"	124.49 - 144.49		3991.32	137.95	3856.06	134.37	3.58	--
MW-19	07/20/21	2"	124.49 - 144.49		3991.32	137.34	3856.27	134.29	3.05	--
MW-19	09/14/21	2"	124.49 - 144.49		3991.32	137.49	3856.26	134.26	3.23	0.5
MW-19	10/21/21	2"	124.49 - 144.49		3991.32	137.50	3856.24	134.28	3.22	2.0
MW-19	11/10/21	2"	124.49 - 144.49		3991.32	137.89	3856.04	134.42	3.47	2.5
MW-19	12/22/21	2"	124.49 - 144.49		3991.32	137.57	3855.84	134.79	2.78	2.0
MW-20	10/22/03	2"	124.49 - 144.49	145	3992.62	131.55	3861.07	--	--	--
MW-20	02/16/05	2"	124.49 - 144.49	145	3992.62	130.65	3861.97	--	--	--
MW-20	04/07/06	2"	124.49 - 144.49	145	3992.62	131.63	3860.99	--	--	--
MW-20	06/29/06	2"	124.49 - 144.49	145	3992.62	---------- not gauged ----------				--
MW-20	10/12/06	2"	124.49 - 144.49	145	3992.62	131.85	3860.77	--	--	--
MW-20	04/26/07	2"	124.49 - 144.49	145	3992.62	131.79	3860.83	--	--	--
MW-20	10/18/07	2"	124.49 - 144.49	145	3992.62	131.84	3860.78	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-20	05/14/08	2"	124.49 - 144.49	145	3992.62	131.70	3860.92	--	--	--
MW-20	10/15/08	2"	124.49 - 144.49	145	3992.62	131.87	3860.75	--	--	--
MW-20	04/09/09	2"	124.49 - 144.49	145	3992.62	132.17	3860.45	--	--	--
MW-20	09/29/09	2"	124.49 - 144.49	145	3992.62	132.52	3860.10	--	--	--
MW-20	04/05/10	2"	124.49 - 144.49	145	3992.62	132.71	3859.91	--	--	--
MW-20	10/04/10	2"	124.49 - 144.49	145	3992.62	132.91	3859.71	--	--	--
MW-20	04/18/11	2"	124.49 - 144.49	145	3992.62	133.29	3859.33	--	--	--
MW-20	10/18/11	2"	124.49 - 144.49	145	3992.62	134.12	3858.50	--	--	--
MW-20	04/23/12	2"	124.49 - 144.49	145	3992.62	133.29	3859.33	--	--	--
MW-20	11/05/12	2"	124.49 - 144.49	145	3992.62	133.04	3859.58	--	--	--
MW-20	04/23/13	2"	124.49 - 144.49	145	3992.62	133.25	3859.37	--	--	--
MW-20	10/21/13	2"	124.49 - 144.49	145	3992.62	133.70	3858.92	--	--	--
MW-20	02/11/14	2"	124.49 - 144.49	145	3992.62	133.80	3858.82	--	--	--
MW-20	10/27/14	2"	124.49 - 144.49	145	3992.62	134.45	3858.17	--	--	--
MW-20	02/24/15	2"	124.49 - 144.49	145	3992.62	134.34	3858.28	--	--	--
MW-20	10/26/15	2"	124.49 - 144.49	145	3992.62	134.80	3857.82	--	--	--
MW-20	02/29/16	2"	124.49 - 144.49	145	3992.62	134.94	3857.68	--	--	--
MW-20	08/22/16	2"	124.49 - 144.49	145	3992.62	134.97	3857.65	--	--	--
MW-20	02/28/17	2"	124.49 - 144.49	145	3992.62	134.03	3858.59	--	--	--
MW-20	08/28/17	2"	124.49 - 144.49	145	3992.62	134.10	3858.52	--	--	--
MW-20	04/03/18	2"	124.49 - 144.49	145	3992.62	134.40	3858.22	--	--	--
MW-20	08/27/18	2"	124.49 - 144.49	145	3992.62	134.73	3857.89	--	--	--
MW-20	01/28/19	2"	124.49 - 144.49	145	3992.62	135.25	3857.37	--	--	--
MW-20	12/16/19	2"	124.49 - 144.49	145	3992.62	135.91	3856.71	--	--	--
MW-20	04/06/20	2"	124.49 - 144.49	146.15	3992.62	136.07	3856.55	--	--	--
MW-20	06/09/21	2"	124.49 - 144.49	146.58	3992.62	136.21	3856.41	--	--	--
MW-20	11/10/21	2"	124.49 - 144.49	146.12	3992.62	136.37	3856.25	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-21	10/22/03	2"	124.49 - 144.49	145	3993.71	132.78	3860.93	--	--	--
MW-21	02/16/05	2"	124.49 - 144.49	145	3993.71	132.40	3861.31	--	--	--
MW-21	04/07/06	2"	124.49 - 144.49	145	3993.71	129.99	3863.72	--	--	--
MW-21	06/29/06	2"	124.49 - 144.49	145	3993.71	---------- not gauged ----------				--
MW-21	10/12/06	2"	124.49 - 144.49	145	3993.71	133.15	3860.56	--	--	--
MW-21	04/26/07	2"	124.49 - 144.49	145	3993.71	133.05	3860.66	--	--	--
MW-21	10/18/07	2"	124.49 - 144.49	145	3993.71	133.11	3860.6	--	--	--
MW-21	05/19/08	2"	124.49 - 144.49	145	3993.71	132.97	3860.74	--	--	--
MW-21	10/20/08	2"	124.49 - 144.49	145	3993.71	133.13	3860.58	--	--	--
MW-21	04/09/09	2"	124.49 - 144.49	145	3993.71	133.40	3860.31	--	--	--
MW-21	09/29/09	2"	124.49 - 144.49	145	3993.71	133.82	3859.89	--	--	--
MW-21	04/05/10	2"	124.49 - 144.49	145	3993.71	---------- not gauged ----------				--
MW-21	10/04/10	2"	124.49 - 144.49	145	3993.71	132.17	3861.54	--	--	--
MW-21	04/18/11	2"	124.49 - 144.49	145	3993.71	134.58	3859.13	--	--	--
MW-21	10/18/11	2"	124.49 - 144.49	145	3993.71	131.63	3862.08	--	--	--
MW-21	04/23/12	2"	124.49 - 144.49	145	3993.71	134.57	3859.14	--	--	--
MW-21	11/05/12	2"	124.49 - 144.49	145	3993.71	134.20	3859.51	--	--	--
MW-21	04/23/13	2"	124.49 - 144.49	145	3993.71	134.50	3859.21	--	--	--
MW-21	10/21/13	2"	124.49 - 144.49	145	3993.71	135.05	3858.66	--	--	--
MW-21	02/11/14	2"	124.49 - 144.49	145	3993.71	135.08	3858.63	--	--	--
MW-21	10/27/14	2"	124.49 - 144.49	145	3993.71	135.87	3857.84	--	--	--
MW-21	02/24/15	2"	124.49 - 144.49	145	3993.71	135.90	3857.81	--	--	--
MW-21	10/26/15	2"	124.49 - 144.49	145	3993.71	136.41	3857.30	--	--	--
MW-21	02/29/16	2"	124.49 - 144.49	145	3993.71	136.45	3857.26	--	--	--
MW-21	08/22/16	2"	124.49 - 144.49	145	3993.71	136.32	3857.39	--	--	--
MW-21	02/28/17	2"	124.49 - 144.49	145	3993.71	135.90	3857.81	--	--	--
MW-21	08/28/17	2"	124.49 - 144.49	145	3993.71	135.40	3858.31	--	--	--
MW-21	04/03/18	2"	124.49 - 144.49	145	3993.71	135.61	3858.10	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-21	08/27/18	2"	124.49 - 144.49	145	3993.71	136.10	3857.61	--	--	--
MW-21	01/28/19	2"	124.49 - 144.49	145	3993.71	136.47	3857.24	--	--	--
MW-21	12/16/19	2"	124.49 - 144.49	145	3993.71	137.39	3856.32	--	--	--
MW-21	04/06/20	2"	124.49 - 144.49	--	3993.71	--	--	--	--	--
MW-21	06/09/21	2"	124.49 - 144.49	147.43	3993.71	137.56	3856.15	--	--	--
MW-21	11/10/21	2"	124.49 - 144.49	147.44	3993.71	137.50	3856.21	--	--	--
MW-22	10/18/07	2"	115 - 145	145	3989.01	130.32	3858.69	--	--	--
MW-22	05/19/08	2"	115 - 145	145	3989.01	130.07	3858.94	--	--	--
MW-22	10/14/08	2"	115 - 145	145	3989.01	130.27	3858.74	--	--	--
MW-22	04/09/09	2"	115 - 145	145	3989.01	130.64	3858.37	--	--	--
MW-22	09/29/09	2"	115 - 145	145	3989.01	131.40	3857.61	--	--	--
MW-22	04/05/10	2"	115 - 145	145	3989.01	131.63	3857.38	--	--	--
MW-22	10/04/10	2"	115 - 145	145	3989.01	131.97	3857.04	--	--	--
MW-22	04/18/11	2"	115 - 145	145	3989.01	132.41	3856.60	--	--	--
MW-22	10/18/11	2"	115 - 145	145	3989.01	132.68	3856.33	--	--	--
MW-22	04/23/12	2"	115 - 145	145	3989.01	131.72	3857.29	--	--	--
MW-22	11/05/12	2"	115 - 145	145	3989.01	131.32	3857.69	--	--	--
MW-22	04/23/13	2"	115 - 145	145	3989.01	131.49	3857.52	--	--	--
MW-22	10/21/13	2"	115 - 145	145	3989.01	132.52	3856.49	--	--	--
MW-22	02/11/14	2"	115 - 145	145	3989.01	133.15	3855.86	--	--	--
MW-22	10/27/14	2"	115 - 145	145	3989.01	134.23	3854.78	--	--	--
MW-22	02/24/15	2"	115 - 145	145	3989.01	134.40	3854.61	--	--	--
MW-22	10/26/15	2"	115 - 145	145	3989.01	135.11	3853.90	--	--	--
MW-22	02/29/16	2"	115 - 145	145	3989.01	134.78	3854.23	--	--	--
MW-22	08/22/16	2"	115 - 145	145	3989.01	133.81	3855.20	--	--	--
MW-22	02/28/17	2"	115 - 145	145	3989.01	132.80	3856.21	--	--	--
MW-22	08/28/17	2"	115 - 145	145	3989.01	132.32	3856.69	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-22	04/03/18	2"	115 - 145	145	3989.01	133.09	3855.92	--	--	--
MW-22	08/27/18	2"	115 - 145	145	3989.01	133.47	3855.54	--	--	--
MW-22	01/28/19	2"	115 - 145	145	3989.01	134.76	3854.25	--	--	--
MW-22	12/16/19	2"	115 - 145	145	3989.01	135.99	3853.02	--	--	--
MW-22	04/06/20	2"	115 - 145	148.70	3989.01	136.00	3853.01	--	--	--
MW-22	06/09/21	2"	115 - 145	148.71	3989.01	134.60	3854.41	--	--	--
MW-22	11/10/21	2"	115 - 145	148.69	3989.01	134.86	3854.15	--	--	--
MW-23	10/18/07	2"	115 - 145	145	3989.77	131.15	3858.62	--	--	--
MW-23	05/15/08	2"	115 - 145	145	3989.77	130.99	3858.78	--	--	--
MW-23	10/14/08	2"	115 - 145	145	3989.77	131.02	3858.75	--	--	--
MW-23	04/09/09	2"	115 - 145	145	3989.77	130.98	3858.79	--	--	--
MW-23	09/29/09	2"	115 - 145	145	3989.77	131.48	3858.29	--	--	--
MW-23	04/05/10	2"	115 - 145	145	3989.77	131.88	3857.89	--	--	--
MW-23	10/04/10	2"	115 - 145	145	3989.77	132.06	3857.71	--	--	--
MW-23	04/18/11	2"	115 - 145	145	3989.77	132.40	3857.37	--	--	--
MW-23	10/18/11	2"	115 - 145	145	3989.77	133.12	3856.65	--	--	--
MW-23	04/23/12	2"	115 - 145	145	3989.77	132.17	3857.60	--	--	--
MW-23	11/05/12	2"	115 - 145	145	3989.77	132.01	3857.76	--	--	--
MW-23	04/23/13	2"	115 - 145	145	3989.77	132.12	3857.65	--	--	--
MW-23	10/21/13	2"	115 - 145	145	3989.77	132.53	3857.24	--	--	--
MW-23	02/11/14	2"	115 - 145	145	3989.77	133.42	3856.35	--	--	--
MW-23	10/27/14	2"	115 - 145	145	3989.77	134.68	3855.09	--	--	--
MW-23	02/24/15	2"	115 - 145	145	3989.77	134.90	3854.87	--	--	--
MW-23	10/26/15	2"	115 - 145	145	3989.77	135.52	3854.25	--	--	--
MW-23	02/29/16	2"	115 - 145	145	3989.77	134.99	3854.78	--	--	--
MW-23	08/22/16	2"	115 - 145	145	3989.77	133.83	3855.94	--	--	--
MW-23	02/28/17	2"	115 - 145	145	3989.77	132.81	3856.96	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-23	08/28/17	2"	115 - 145	145	3989.77	132.60	3857.17	--	--	--
MW-23	04/03/18	2"	115 - 145	145	3989.77	133.53	3856.24	--	--	--
MW-23	08/27/18	2"	115 - 145	145	3989.77	133.88	3855.89	--	--	--
MW-23	01/29/19	2"	115 - 145	145	3989.77	135.02	3854.75	--	--	--
MW-23	12/16/19	2"	115 - 145	145	3989.77	136.70	3853.07	--	--	--
MW-23	04/06/20	2"	115 - 145	149.21	3989.77	136.74	3853.03	--	--	--
MW-23	06/09/21	---------- Unable to locate ----------								
MW-23	11/10/21	---------- Unable to locate ----------								
MW-24	10/18/07	2"	115 - 145	145	3997.05	134.68	3862.37	--	--	--
MW-24	05/15/08	2"	115 - 145	145	3997.05	134.62	3862.43	--	--	--
MW-24	10/15/08	2"	115 - 145	145	3997.05	134.73	3862.32	--	--	--
MW-24	04/09/09	2"	115 - 145	145	3997.05	134.92	3862.13	--	--	--
MW-24	09/29/09	2"	115 - 145	145	3997.05	135.05	3862.00	--	--	--
MW-24	04/05/10	2"	115 - 145	145	3997.05	135.26	3861.79	--	--	--
MW-24	10/04/10	2"	115 - 145	145	3997.05	135.44	3861.61	--	--	--
MW-24	04/18/11	2"	115 - 145	145	3997.05	135.78	3861.27	--	--	--
MW-24	10/18/11	2"	115 - 145	145	3997.05	135.86	3861.19	--	--	--
MW-24	04/23/12	2"	115 - 145	145	3997.05	135.94	3861.11	--	--	--
MW-24	11/05/12	2"	115 - 145	145	3997.05	135.83	3861.22	--	--	--
MW-24	04/23/13	2"	115 - 145	145	3997.05	136.07	3860.98	--	--	--
MW-24	10/21/13	2"	115 - 145	145	3997.05	136.15	3860.90	--	--	--
MW-24	02/11/14	2"	115 - 145	145	3997.05	136.28	3860.77	--	--	--
MW-24	10/27/14	2"	115 - 145	145	3997.05	136.68	3860.37	--	--	--
MW-24	02/24/15	2"	115 - 145	145	3997.05	136.86	3860.19	--	--	--
MW-24	10/26/15	2"	115 - 145	145	3997.05	136.93	3860.12	--	--	--
MW-24	02/29/16	2"	115 - 145	145	3997.05	137.11	3859.94	--	--	--
MW-24	08/22/16	2"	115 - 145	145	3997.05	137.23	3859.82	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-24	02/28/17	2"	115 - 145	145	3997.05	136.90	3860.15	--	--	--
MW-24	08/28/17	2"	115 - 145	145	3997.05	136.70	3860.35	--	--	--
MW-24	04/03/18	2"	115 - 145	145	3997.05	137.01	3860.04	--	--	--
MW-24	08/27/18	2"	115 - 145	145	3997.05	137.80	3859.25	--	--	--
MW-24	01/28/19	2"	115 - 145	145	3997.05	137.63	3859.42	--	--	--
MW-24	12/16/19	2"	115 - 145	145	3997.05	138.27	3858.78	--	--	--
MW-24	04/06/20	2"	115 - 145	148.62	3997.05	138.46	3858.59	--	--	--
MW-24	06/09/21	2"	115 - 145	148.59	3997.05	139.00	3858.05	--	--	--
MW-24	11/10/21	2"	115 - 145	142.42	3997.05	139.18	3857.87	--	--	--
MW-25	04/02/15	2"	120 - 150	150	3991.88	131.15	3860.73	--	--	--
MW-25	04/09/15	2"	120 - 150	150	3991.88	131.12	3860.76	--	--	--
MW-25	04/21/15	2"	120 - 150	150	3991.88	131.11	3860.77	--	--	--
MW-25	06/04/15	2"	120 - 150	150	3991.88	133.54	3858.34	--	--	--
MW-25	10/26/15	2"	120 - 150	150	3991.88	131.20	3860.68	--	--	--
MW-25	02/29/16	2"	120 - 150	150	3991.88	131.55	3860.33	--	--	--
MW-25	08/22/16	2"	120 - 150	150	3991.88	131.52	3860.36	--	--	--
MW-25	02/28/17	2"	120 - 150	150	3991.88	130.30	3861.58	--	--	--
MW-25	08/28/17	2"	120 - 150	150	3991.88	130.73	3861.15	--	--	--
MW-25	04/03/18	2"	120 - 150	150	3991.88	130.83	3861.05	--	--	--
MW-25	08/27/18	2"	120 - 150	150	3991.88	131.23	3860.65	--	--	--
MW-25	01/28/19	2"	120 - 150	150	3991.88	131.82	3860.06	--	--	--
MW-25	12/16/19	2"	120 - 150	150	3991.88	132.22	3859.66	--	--	--
MW-25	04/06/20	2"	120 - 150	149.90	3991.88	132.49	3859.39	--	--	--
MW-25	06/09/21	2"	120 - 150	149.96	3991.88	132.57	3859.31	--	--	--
MW-25	11/10/21	2"	120 - 150	150.08	3991.88	132.67	3859.21	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
MW-26	04/02/15	2"	120 - 150	150	3991.13	135.60	3855.53	--	--	--
MW-26	04/09/15	2"	120 - 150	150	3991.13	133.54	3857.59	--	--	--
MW-26	04/21/15	2"	120 - 150	150	3991.13	133.52	3857.61	--	--	--
MW-26	06/04/15	2"	120 - 150	150	3991.13	131.15	3859.98	--	--	--
MW-26	10/26/15	2"	120 - 150	150	3991.13	133.61	3857.52	--	--	--
MW-26	02/29/16	2"	120 - 150	150	3991.13	134.00	3857.13	--	--	--
MW-26	08/22/16	2"	120 - 150	150	3991.13	133.90	3857.23	--	--	--
MW-26	02/28/17	2"	120 - 150	150	3991.13	133.20	3857.93	--	--	--
MW-26	08/28/17	2"	120 - 150	150	3991.13	133.07	3858.06	--	--	--
MW-26	04/03/18	2"	120 - 150	150	3991.13	133.11	3858.02	--	--	--
MW-26	08/27/18	2"	120 - 150	150	3991.13	133.58	3857.55	--	--	--
MW-26	01/28/19	2"	120 - 150	150	3991.13	134.20	3856.93	--	--	--
MW-26	12/16/19	2"	120 - 150	150	3991.13	134.56	3856.57	--	--	--
MW-26	04/06/20	2"	120 - 150	151.89	3991.13	134.70	3856.43	--	--	--
MW-26	06/09/21	2"	120 - 150	151.71	3991.13	134.82	3856.31	--	--	--
MW-26	11/10/21	2"	120 - 150	151.69	3991.13	134.76	3856.37	--	--	--
EW-1	04/05/10	4"	120 - 145	145	3987.79	---------- not gauged ----------				--
EW-1	10/04/10	4"	120 - 145	145	3987.79	127.70	3860.09			--
EW-1	03/30/11	4"	120 - 145	145	3987.79	131.85	3858.93	127.95	3.90	5.0
EW-1	04/07/11	4"	120 - 145	145	3987.79	131.82	3858.87	128.03	3.79	4.0
EW-1	04/13/11	4"	120 - 145	145	3987.79	131.67	3858.81	128.16	3.51	3.8
EW-1	04/18/11	4"	120 - 145	145	3987.79	---------- not gauged ----------				--
EW-1	05/03/11	4"	120 - 145	145	3987.79	132.00	3858.78	128.10	3.90	3.5
EW-1	05/10/11	4"	120 - 145	145	3987.79	131.65	3858.75	128.24	3.41	3.0
EW-1	05/17/11	4"	120 - 145	145	3987.79	131.24	3858.79	128.32	2.92	3.5
EW-1	05/24/11	4"	120 - 145	145	3987.79	131.01	3858.70	128.50	2.51	--
EW-1	06/28/11	4"	120 - 145	145	3987.79	130.57	3858.55	128.84	1.73	2.0

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
EW-1	08/24/11	4"	120 - 145	145	3987.79	132.22	3858.63	128.23	3.99	4.0
EW-1	08/25/11	4"	120 - 145	145	3987.79	131.00	3858.58	128.66	2.34	2.5
EW-1	10/18/11	4"	120 - 145	145	3987.79	131.89	3858.34	128.70	3.19	2.8
EW-1	02/01/12	4"	120 - 145	145	3987.79	131.68	3858.17	128.99	2.69	4.5
EW-1	02/16/12	4"	120 - 145	145	3987.79	131.36	3858.95	128.07	3.29	3.0
EW-1	02/28/12	4"	120 - 145	145	3987.79	131.41	3858.88	128.14	3.27	2.5
EW-1	03/12/12	4"	120 - 145	145	3987.79	131.43	3858.84	128.19	3.24	3.7
EW-1	03/29/12	4"	120 - 145	145	3987.79	131.51	3858.94	128.04	3.47	3.0
EW-1	04/10/12	4"	120 - 145	145	3987.79	131.28	3859.01	128.01	3.27	2.5
EW-1	04/23/12	4"	120 - 145	145	3987.79	131.39	3858.88	128.15	3.24	--
EW-1	05/08/12	4"	120 - 145	145	3987.79	131.32	3858.91	128.14	3.18	1.8
EW-1	05/21/12	4"	120 - 145	145	3987.79	131.10	3859.01	128.07	3.03	4.0
EW-1	06/04/12	4"	120 - 145	145	3987.79	130.75	3858.94	128.27	2.48	1.5
EW-1	06/18/12	4"	120 - 145	145	3987.79	131.00	3859.06	128.04	2.96	3.0
EW-1	07/03/12	4"	120 - 145	145	3987.79	130.91	3858.97	128.18	2.73	1.5
EW-1	07/16/12	4"	120 - 145	145	3987.79	130.96	3859.08	128.02	2.94	3.0
EW-1	08/02/12	4"	120 - 145	145	3987.79	130.95	3859.08	128.03	2.92	3.0
EW-1	08/17/12	4"	120 - 145	145	3987.79	130.97	3859.06	128.05	2.92	0.0
EW-1	08/28/12	4"	120 - 145	145	3987.79	130.31	3859.17	128.11	2.20	2.0
EW-1	9/21/012	4"	120 - 145	145	3987.79	130.56	3859.25	127.92	2.64	2.2
EW-1	09/24/12	4"	120 - 145	145	3987.79	130.30	3859.32	127.91	2.39	2.0
EW-1	10/08/12	4"	120 - 145	145	3987.79	129.50	3859.51	127.91	1.59	2.0
EW-1	10/22/12	4"	120 - 145	145	3987.79	130.27	3859.15	128.10	2.17	2.0
EW-1	11/05/12	4"	120 - 145	145	3987.79	129.46	3859.59	127.79	1.67	--
EW-1	11/20/12	4"	120 - 145	145	3987.79	130.03	3859.20	128.12	1.91	1.5
EW-1	01/08/13	4"	120 - 145	145	3987.79	130.25	3859.20	128.04	2.21	1.0
EW-1	01/21/13	4"	120 - 145	145	3987.79	130.59	3859.15	128.00	2.59	2.0
EW-1	01/30/13	4"	120 - 145	145	3987.79	130.36	3859.25	127.94	2.42	1.3

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
EW-1	02/13/13	4"	120 - 145	145	3987.79	130.33	3859.29	127.90	2.43	--
EW-1	02/18/13	4"	120 - 145	145	3987.79	130.49	3859.10	128.09	2.40	1.5
EW-1	03/04/13	4"	120 - 145	145	3987.79	130.42	3859.21	127.97	2.45	--
EW-1	03/18/13	4"	120 - 145	145	3987.79	130.56	3859.15	128.01	2.55	1.3
EW-1	04/01/13	4"	120 - 145	145	3987.79	130.53	3859.12	128.06	2.47	1.0
EW-1	04/15/13	4"	120 - 145	145	3987.79	130.54	3859.20	127.95	2.59	1.8
EW-1	04/23/13	4"	120 - 145	145	3987.79	130.59	3859.12	128.04	2.55	--
EW-1	05/28/13	4"	120 - 145	145	3987.79	130.64	3859.14	128.00	2.64	3.0
EW-1	06/12/13	4"	120 - 145	145	3987.79	130.62	3859.15	127.99	2.63	2.0
EW-1	06/26/13	4"	120 - 145	145	3987.79	131.70	3858.87	128.00	3.70	2.5
EW-1	07/24/13	4"	120 - 145	145	3987.79	131.22	3858.84	128.20	3.02	3.0
EW-1	08/06/13	4"	120 - 145	145	3987.79	131.48	3858.71	128.29	3.19	4.0
EW-1	08/21/13	4"	120 - 145	145	3987.79	131.74	3858.52	128.45	3.29	3.5
EW-1	09/03/13	4"	120 - 145	145	3987.79	131.75	3858.50	128.48	3.27	3.0
EW-1	09/18/13	4"	120 - 145	145	3987.79	131.76	3858.51	128.46	3.30	3.0
EW-1	10/02/13	4"	120 - 145	145	3987.79	131.90	3858.21	128.81	3.09	3.0
EW-1	10/16/13	4"	120 - 145	145	3987.79	131.78	3858.12	128.97	2.81	2.5
EW-1	10/21/13	4"	120 - 145	145	3987.79	135.94	3854.71	132.14	3.80	--
EW-1	10/30/13	4"	120 - 145	145	3987.79	130.95	3858.01	129.40	1.55	2.0
EW-1	11/13/13	4"	120 - 145	145	3987.79	130.85	3858.12	129.28	1.57	1.5
EW-1	12/04/13	4"	120 - 145	145	3987.79	131.68	3858.25	128.84	2.84	2.0
EW-1	12/12/13	4"	120 - 145	145	3987.79	132.20	3858.17	128.77	3.43	3.0
EW-1	12/30/13	4"	120 - 145	145	3987.79	131.82	3858.26	128.78	3.04	1.5
EW-1	02/11/14	4"	120 - 145	145	3987.79	132.34	3858.23	128.64	3.70	--
EW-1	02/25/14	4"	120 - 145	145	3987.79	132.51	3858.11	128.75	3.76	3.0
EW-1	02/25/14	4"	120 - 145	145	3987.79	129.92	3858.16	129.54	0.38	--
EW-1	03/13/14	4"	120 - 145	145	3987.79	132.19	3858.01	128.98	3.21	3.0
EW-1	03/27/14	4"	120 - 145	145	3987.79	130.02	3857.93	129.81	0.21	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
EW-1	04/10/14	4"	120 - 145	145	3987.79	131.12	3857.92	129.46	1.66	1.8
EW-1	04/10/14	4"	120 - 145	145	3987.79	130.06	3857.91	129.82	0.24	--
EW-1	04/24/14	4"	120 - 145	145	3987.79	131.11	3857.79	129.63	1.48	1.5
EW-1	04/24/14	4"	120 - 145	145	3987.79	130.07	3857.80	129.96	0.11	--
EW-1	05/08/14	4"	120 - 145	145	3987.79	130.82	3857.86	129.63	1.19	0.8
EW-1	05/08/14	4"	120 - 145	145	3987.79	130.04	3857.87	129.88	0.16	--
EW-1	06/19/14	4"	120 - 145	145	3987.79	131.08	3857.80	129.63	1.45	1.5
EW-1	06/19/14	4"	120 - 145	145	3987.79	130.08	3857.82	129.93	0.15	--
EW-1	07/03/14	4"	120 - 145	145	3987.79	130.69	3857.83	129.72	0.97	0.8
EW-1	07/03/14	4"	120 - 145	145	3987.79	130.09	3857.82	129.93	0.16	--
EW-1	08/01/14	4"	120 - 145	145	3987.79	130.77	3857.83	129.69	1.08	0.5
EW-1	08/01/14	4"	120 - 145	145	3987.79	130.17	3857.86	129.85	0.32	--
EW-1	08/28/14	4"	120 - 145	145	3987.79	130.73	3857.74	129.83	0.90	0.8
EW-1	08/28/14	4"	120 - 145	145	3987.79	130.29	3857.76	129.94	0.35	--
EW-1	09/11/14	4"	120 - 145	145	3987.79	130.99	3857.58	129.95	1.04	0.8
EW-1	09/11/14	4"	120 - 145	145	3987.79	130.28	3857.59	130.17	0.11	--
EW-1	09/25/14	4"	120 - 145	145	3987.79	130.68	3857.52	130.14	0.54	0.5
EW-1	09/25/14	4"	120 - 145	145	3987.79	130.40	3857.50	130.25	0.15	--
EW-1	10/24/14	4"	120 - 145	145	3987.79	130.53	3857.49	130.22	0.31	0.3
EW-1	10/27/14	4"	120 - 145	145	3987.79	130.45	3857.53	130.20	0.25	--
EW-1	01/13/15	4"	120 - 145	145	3987.79	130.55	3857.35	130.40	0.15	0.3
EW-1	01/29/15	4"	120 - 145	145	3987.79	130.84	3857.32	130.35	0.49	0.5
EW-1	02/10/15	4"	120 - 145	145	3987.79	130.62	3857.44	130.26	0.36	0.3
EW-1	02/24/15	4"	120 - 145	145	3987.79	130.44	3857.60	130.11	0.33	0.8
EW-1	03/12/15	4"	120 - 145	145	3987.79	130.65	3857.36	130.36	0.29	0.1
EW-1	03/26/15	4"	120 - 145	145	3987.79	130.81	3857.21	130.50	0.31	0.4
EW-1	04/09/15	4"	120 - 145	145	3987.79	130.73	3857.26	130.46	0.27	0.1
EW-1	04/21/15	4"	120 - 145	145	3987.79	130.67	3857.26	130.49	0.18	trace

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
EW-1	05/06/15	4"	120 - 145	145	3987.79	130.67	3857.29	130.45	0.22	0.1
EW-1	05/21/15	4"	120 - 145	145	3987.79	130.69	3857.24	130.51	0.18	0.5
EW-1	06/04/15	4"	120 - 145	145	3987.79	130.60	3857.28	130.48	0.12	0.1
EW-1	07/02/15	4"	120 - 145	145	3987.79	130.74	3857.16	130.59	0.15	3.0
EW-1	07/16/15	4"	120 - 145	145	3987.79	130.80	3857.08	130.68	0.12	0.1
EW-1	07/30/15	4"	120 - 145	145	3987.79	134.46	3853.53	134.20	0.26	--
EW-1	08/28/15	4"	120 - 145	145	3987.79	130.74	3857.12	130.65	0.09	1.8
EW-1	09/10/15	4"	120 - 145	145	3987.79	130.87	3856.94	130.84	0.03	--
EW-1	09/25/15	4"	120 - 145	145	3987.79	130.80	3857.02	130.76	0.04	--
EW-1	10/08/15	4"	120 - 145	145	3987.79	130.75	3857.06	130.73	0.02	0.1
EW-1	10/26/15	4"	120 - 145	145	3987.79	130.56	3857.25	130.54	0.02	--
EW-1	11/05/15	4"	120 - 145	145	3987.79	130.75	3857.04	--	--	--
EW-1	01/14/16	4"	120 - 145	145	3987.79	130.90	3856.89	--	--	--
EW-1	02/25/16	4"	120 - 145	145	3987.79	131.13	3856.66	--	--	--
EW-1	02/29/16	4"	120 - 145	145	3987.79	131.13	3856.67	131.12	0.01	--
EW-1	03/10/16	4"	120 - 145	145	3987.79	131.11	3856.68	--	--	--
EW-1	03/22/16	4"	120 - 145	145	3987.79	131.10	3856.69	--	--	--
EW-1	04/04/16	4"	120 - 145	145	3987.79	131.26	3856.53	--	--	--
EW-1	04/21/16	4"	120 - 145	145	3987.79	131.22	3856.57	--	--	--
EW-1	05/20/16	4"	120 - 145	145	3987.79	131.32	3856.47	--	--	--
EW-1	06/02/16	4"	120 - 145	145	3987.79	131.32	3856.48	131.31	0.01	--
EW-1	06/16/16	4"	120 - 145	145	3987.79	131.36	3856.44	131.35	0.01	1.5
EW-1	06/30/16	4"	120 - 145	145	3987.79	131.51	3856.39	131.36	0.15	1.5
EW-1	07/14/16	4"	120 - 145	145	3987.79	131.15	3856.64	--	--	--
EW-1	07/25/16	4"	120 - 145	145	3987.79	130.99	3856.80	--	--	--
EW-1	08/22/16	4"	120 - 145	145	3987.79	130.92	3856.87	--	--	--
EW-1	09/09/16	4"	120 - 145	145	3987.79	130.93	3856.86	--	--	--
EW-1	09/22/16	4"	120 - 145	145	3987.79	131.07	3856.72	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
EW-1	10/06/16	4"	120 - 145	145	3987.79	131.08	3856.71	--	--	--
EW-1	10/20/16	4"	120 - 145	145	3987.79	130.65	3857.14	--	--	--
EW-1	11/03/16	4"	120 - 145	145	3987.79	130.55	3857.24	--	--	--
EW-1	11/16/16	4"	120 - 145	145	3987.79	130.41	3857.38	--	--	--
EW-1	11/28/16	4"	120 - 145	145	3987.79	130.50	3857.29	--	--	--
EW-1	12/15/16	4"	120 - 145	145	3987.79	130.53	3857.26	--	--	--
EW-1	02/28/17	4"	120 - 145	145	3987.79	130.21	3857.58	--	--	--
EW-1	03/08/17	4"	120 - 145	145	3987.79	133.75	3854.04	--	--	--
EW-1	03/25/17	4"	120 - 145	145	3987.79	133.70	3854.09	--	--	--
EW-1	04/13/17	4"	120 - 145	145	3987.79	129.98	3857.81	--	--	--
EW-1	05/01/17	4"	120 - 145	145	3987.79	129.85	3857.94	--	--	--
EW-1	06/12/17	4"	120 - 145	145	3987.79	129.80	3857.99	--	--	--
EW-1	06/26/17	4"	120 - 145	145	3987.79	129.66	3858.13	--	--	--
EW-1	07/24/17	4"	120 - 145	145	3987.79	124.92	3863.01	124.74	0.18	--
EW-1	08/07/17	4"	120 - 145	145	3987.79	--	--	--	--	trace
EW-1	08/28/17	4"	120 - 145	145	3987.79	130.42	3857.94	129.66	0.76	0.1
EW-1	09/20/17	4"	120 - 145	145	3987.79	130.24	3858.03	129.60	0.64	--
EW-1	10/16/17	4"	120 - 145	145	3987.79	130.23	3858.03	129.60	0.63	0.1
EW-1	10/31/17	4"	120 - 145	145	3987.79	130.28	3858.02	129.60	0.68	0.3
EW-1	11/13/17	4"	120 - 145	145	3987.79	130.37	3858.00	129.60	0.77	0.2
EW-1	11/27/17	4"	120 - 145	145	3987.79	130.50	3857.97	129.60	0.90	0.1
EW-1	12/11/17	4"	120 - 145	145	3987.79	130.48	3857.98	129.59	0.89	0.5
EW-1	01/02/18	4"	120 - 145	145	3987.79	130.70	3857.90	129.62	1.08	1.0
EW-1	01/08/18	4"	120 - 145	145	3987.79	130.81	3857.90	129.58	1.23	1.0
EW-1	01/24/18	4"	120 - 145	145	3987.79	131.24	3857.68	129.74	1.50	0.75
EW-1	02/05/18	4"	120 - 145	145	3987.79	130.79	3857.89	129.56	1.18	0.20
EW-1	02/23/18	4"	120 - 145	145	3987.79	130.51	3858.02	129.53	0.98	0.50
EW-1	03/05/18	4"	120 - 145	145	3987.79	130.61	3857.86	129.70	0.91	0.50

APPENDIX E
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
EW-1	04/03/18	4"	120 - 145	145	3987.79	130.71	3857.85	129.69	1.02	--
EW-1	04/16/18	4"	120 - 145	145	3987.79	130.79	3857.94	129.54	1.25	0.50
EW-1	04/30/18	4"	120 - 145	145	3987.79	131.03	3857.83	129.61	1.42	0.30
EW-1	05/14/18	4"	120 - 145	145	3987.79	131.18	3857.78	129.63	1.55	0.40
EW-1	06/01/18	4"	120 - 145	145	3987.79	130.44	3857.93	129.67	0.77	2.00
EW-1	06/11/18	4"	120 - 145	145	3987.79	131.67	3857.60	129.70	1.97	2.00
EW-1	06/25/18	4"	120 - 145	145	3987.79	132.14	3857.33	129.91	2.23	1.50
EW-1	07/09/18	4"	120 - 145	145	3987.79	132.28	3857.30	129.90	2.38	1.60
EW-1	07/23/18	4"	120 - 145	145	3987.79	132.37	3857.28	129.90	2.47	1.00
EW-1	08/06/18	4"	120 - 145	145	3987.79	132.30	3857.29	129.91	2.39	1.50
EW-1	08/20/18	4"	120 - 145	145	3987.79	132.22	3857.31	129.91	2.31	1.25
EW-1	08/27/18	4"	120 - 145	145	3987.79	132.18	3857.38	129.83	2.35	--
EW-1	09/05/18	4"	120 - 145	145	3987.79					
EW-1	10/01/18	4"	120 - 145	145	3987.79	132.27	3857.32	129.88	2.39	1.75
EW-1	10/15/18	4"	120 - 145	145	3987.79	131.97	3857.39	129.88	2.09	3.50
EW-1	11/13/18	4"	120 - 145	145	3987.79	132.13	3857.29	129.96	2.17	2.50
EW-1	12/03/18	4"	120 - 145	145	3987.79	132.67	3857.11	130.03	2.64	2.00
EW-1	12/11/18	4"	120 - 145	145	3987.79	132.80	3857.10	130.00	2.80	1.25
EW-1	01/28/19	4"	120 - 145	145	3987.79	133.50	3856.85	130.09	3.41	--
EW-1	03/05/19	4"	120 - 145	145	3987.79	134.03	3856.44	130.47	3.56	3.50
EW-1	3/18/19	4"	120 - 145	145	3987.79	133.99	3856.51	130.39	3.60	3.50
EW-1	4/5/19	4"	120 - 145	145	3987.79	133.94	3856.52	130.39	3.55	3.00
EW-1	4/18/19	4"	120 - 145	145	3987.79	133.91	3856.44	130.51	3.40	3.50
EW-1	4/29/19	4"	120 - 145	145	3987.79	133.86	3856.48	130.47	3.39	3.50
EW-1	5/29/19	4"	120 - 145	145	3987.79	133.87	3856.49	130.45	3.42	2.10
EW-1	6/10/19	4"	120 - 145	145	3987.79	133.83	3856.46	130.50	3.33	1.25
EW-1	6/24/19	4"	120 - 145	145	3987.79	133.62	3856.60	130.39	3.23	0.50
EW-1	7/12/19	4"	120 - 145	145	3987.79	133.87	3856.51	130.42	3.45	3.30

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
EW-1	7/22/19	4"	120 - 145	145	3987.79	133.92	3856.42	130.53	3.39	2.00
EW-1	8/5/19	4"	120 - 145	145	3987.79	133.91	3856.47	130.46	3.45	1.30
EW-1	8/19/19	4"	120 - 145	145	3987.79	133.97	3856.41	130.53	3.44	2.50
EW-1	9/6/19	4"	120 - 145	145	3987.79	133.92	3856.45	130.49	3.43	2.00
EW-1	9/16/19	4"	120 - 145	145	3987.79	133.95	3856.40	130.54	3.41	3.50
EW-1	9/30/19	4"	120 - 145	145	3987.79	133.97	3856.39	130.55	3.42	2.80
EW-1	12/16/19	4"	120 - 145	145	3987.79	134.31	3856.18	130.72	3.59	--
EW-1	01/30/20	4"	120 - 145		3987.79	134.25	3856.20	130.71	3.54	5.00
EW-1	02/12/20	4"	120 - 145		3987.79	134.24	3856.17	130.76	3.48	4.00
EW-1	02/27/20	4"	120 - 145		3987.79	134.16	3856.18	130.77	3.39	3.00
EW-1	03/13/20	4"	120 - 145		3987.79	134.24	3856.13	130.81	3.43	4.00
EW-1	03/27/20	4"	120 - 145		3987.79	134.28	3856.10	130.84	3.44	--
EW-1	04/06/20	4"	120 - 145	143.86	3987.79	134.14	3856.16	130.80	3.34	--
EW-1	04/07/20	4"	120 - 145		3987.79	134.14	3856.16	130.80	3.34	3.00
EW-1	04/23/20	4"	120 - 145		3987.79	134.23	3856.06	130.90	3.33	--
EW-1	05/12/20	4"	120 - 145		3987.79	134.20	3856.11	130.85	3.35	3.00
EW-1	06/09/21	4"	120 - 145		3987.79	134.28	3856.04	130.92	3.36	--
EW-1	07/20/21	4"	120 - 145		3987.79	133.68	3856.26	130.82	2.86	--
EW-1	09/14/21	4"	120 - 145		3987.79	133.85	3856.23	130.81	3.04	6.50
EW-1	10/21/21	4"	120 - 145		3987.79	133.96	3856.19	130.82	3.14	4.50
EW-1	11/10/21	4"	120 - 145		3987.79	134.21	3856.01	130.98	3.23	6.00
EW-1	12/22/21	4"	120 - 145		3987.79	134.58	3855.81	131.12	3.46	5.00
TW-11	04/05/10				3989.11	130.27	3858.84	--	--	--
TW-11	10/04/10				3989.11	130.59	3858.52	--	--	--
TW-11	01/12/11				3989.11	129.95	3859.16	--	--	--
TW-11	04/18/11				3989.11	131.12	3857.99	--	--	--
TW-11	10/18/11				3989.11	131.46	3857.65	--	--	--

APPENDIX E
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BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
TW-11	04/23/12				3989.11	130.71	3858.40	--	--	--
TW-11	11/05/12				3989.11	127.87	3861.24	--	--	--
TW-11	04/23/13				3989.11	127.85	3861.26	--	--	--
TW-11	10/21/13				3989.11	130.26	3858.85	--	--	--
TW-11	02/11/14				3989.11	128.95	3860.16	--	--	--
TW-11	10/27/14				3989.11	130.27	3858.84	--	--	--
TW-11	02/24/15				3989.11	130.09	3859.02	--	--	--
TW-11	10/26/15				3989.11	130.17	3858.94	--	--	--
TW-11	02/29/16				3989.11	131.44	3857.67	--	--	--
TW-11	08/22/16				3989.11	131.00	3858.11	--	--	--
TW-11	02/28/17				3989.11	129.90	3859.21	--	--	--
TW-11	08/28/17				3989.11	132.60	3856.51	--	--	--
TW-11	04/03/18				3989.11	129.18	3859.93	--	--	--
TW-11	08/27/18				3989.11	130.15	3858.96	--	--	--
TW-11	01/28/19				3989.11	131.50	3857.61	--	--	--
TW-11	12/16/19				3989.11	130.96	3858.15	--	--	--
TW-11	04/06/20			188.22	3989.11	131.05	3858.06	--	--	--
TW-11	06/09/21			188.20	3989.11	130.71	3858.40	--	--	--
TW-11	11/10/21			188.13	3989.11	129.00	3860.11	--	--	--
TW-13	04/05/10				3988.73	130.56	3858.17	--	--	--
TW-13	10/04/10				3988.73	130.91	3857.82	--	--	--
TW-13	04/18/11				3988.73	131.50	3857.23	--	--	--
TW-13	10/18/11				3988.73	131.57	3857.16	--	--	--
TW-13	04/23/12				3988.73	130.73	3858.00	--	--	--
TW-13	11/05/12				3988.73	130.34	3858.39	--	--	--
TW-13	04/23/13				3988.73	130.43	3858.30	--	--	--
TW-13	10/21/13				3988.73	132.37	3856.36	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
TW-13	02/11/14				3988.73	131.65	3857.08	--	--	--
TW-13	10/27/14				3988.73	132.67	3856.06	--	--	--
TW-13	02/24/15				3988.73	132.94	3855.79	--	--	--
TW-13	10/26/15				3988.73	133.15	3855.58	--	--	--
TW-13	02/29/16				3988.73	133.92	3854.81	--	--	--
TW-13	08/22/16				3988.73	133.13	3855.60	--	--	--
TW-13	02/28/17				3988.73	132.40	3856.33	--	--	--
TW-13	08/28/17				3988.73	132.01	3856.72	--	--	--
TW-13	04/03/18				3988.73	131.77	3856.96	--	--	--
TW-13	08/27/18				3988.73	132.45	3856.28	--	--	--
TW-13	01/28/19				3988.73	133.55	3855.18	--	--	--
TW-13	12/16/19				3988.73	133.82	3854.91	--	--	--
TW-13	04/06/20			176.65	3988.73	133.84	3854.89	--	--	--
TW-13	06/09/21			176.43	3988.73	133.46	3855.27	--	--	--
TW-13	11/10/21			176.40	3988.73	133.44	3855.29	--	--	--
TW-20	11/05/12				3988.40	130.40	3858.00	--	--	--
TW-20	04/23/13				3988.40	133.25	3855.15	--	--	--
TW-20	10/21/13				3988.40	132.59	3855.81	--	--	--
TW-20	02/11/14				3988.40	132.05	3856.35	--	--	--
TW-20	10/27/14				3988.40	---------- not gauged ----------				--
TW-20	02/24/15				3988.40	133.52	3854.88	--	--	--
TW-20	10/26/15				3988.40	133.70	3854.70	--	--	--
TW-20	02/29/16				3988.40	134.40	3854.00	--	--	--
TW-20	08/22/16				3988.40	133.41	3854.99	--	--	--
TW-20	02/28/17				3988.40	132.70	3855.70	--	--	--
TW-20	08/28/17				3988.40	132.08	3856.32			
TW-20	08/28/17				3988.40	132.08	3856.32	--	--	--

APPENDIX E
SUMMARY OF HISTORICAL GROUNDWATER POTENTIOMETRIC ELEVATION DATA
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Well Diameter	Screened Interval ft toc	Total Depth ft toc	Casing Elevation ft msl	Depth To Water ft toc	Water Elevation ft msl	Depth to LNAPL ft toc	LNAPL Thickness ft	LNAPL Removed gal
TW-20	04/03/18				3988.40	132.02	3856.38	--	--	--
TW-20	08/27/18				3988.40	132.52	3855.88	--	--	--
TW-20	01/28/19				3988.40	133.70	3854.70	--	--	--
TW-20	12/16/19				3988.40	134.13	3854.27	--	--	--
TW-20	04/06/20				3988.40	--	--	--	--	--

NOTES:
NG - not gauged
ft msl - feet above mean sea level
ft toc - feet below top of casing
LNAPL - light non-aqueous phase liquid
LNAPL was observed in MW-8 beginning in October 2010, in MW-19 beginning in May 2008, and in EW-1 begining in October 2010; however, data regarding thickness of LNAPL is not available (Stantec, 2010, 2010 Groundwater Monitoring Report, Buckeye Compressor Station, Lea County, New Mexico, December 2010).
Well MW-25 and MW-26 were installed in April 2015.
-- = Not Measured or Not Applicable

Appendix F

Summary of Historical Groundwater Analytical Results

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
		mg/L									
MW-1	6/19/02	***1.74***	0.024	<0.010	<0.010				97.5	458	
MW-1	10/9/02	***3.56***	<0.010	<0.010	<0.010						
MW-1	8/12/03	***0.555***	0.003	0.003	0.009						
MW-1	8/10/04	***1.5***	<0.010	0.008	0.014				100	603	
MW-1	2/18/05	***1.74***	<0.01	<0.01	<0.01				96.0	606	
MW-1	12/21/05	***4.4***	<0.007	0.017 J	<0.008				74.6		
MW-1	4/11/06	***3.0***	<0.002	**6.3 J**	<0.006				73.1		
MW-1	10/12/06	***1.4***	0.051	0.02300	0.019				81.9		
MW-1	5/1/07	***2.3***	<0.001	0.0046 J	0.0032 J				80.5	503	
MW-1	10/24/07	***1.7***	0.0014 J	0.0039 J	0.003				83.7		
MW-1	5/21/08	***1.6***	0.0055	0.0064	0.005 J				86.4		
MW-1	10/16/08	***1.5***	0.0017 J	0.0083	0.0066 J				79.7		
MW-1	4/20/09	***1.7***	0.0036 J	0.0076 J	0.0066 J				73.8		
MW-1	9/29/09	***3.1***	0.0027	0.0022	0.0059				71.1		
MW-1	4/6/10	***4.0***	<0.0040	0.0045 J	<0.012						
MW-1	10/7/10	***3.3***	0.0032 J	0.0013 J	0.0031 J						
MW-1	4/26/11	***8.8***	<0.0010	0.0022	0.0039	18.2	<0.050		62.5		
MW-1	10/20/11	***6.2***	<0.200	<0.100	<0.100	<1.50	1.84		63.4		
MW-1	4/26/12	***3.94***	<0.500	<0.250	<0.250	4.68	<1.50		67.7		
MW-1	11/9/12	***1.10***	<0.020	<0.010	<0.010	<1.50	<1.50		64.1		
MW-1	4/25/13	***6.21***	<0.100	<0.050	<0.050	6.57	<1.50				
MW-1	10/24/13	***6.19***	<0.0400	<0.0200	<0.0200	6.62	<1.50	6.62			
MW-1	2/14/14	***7.25***	<0.1000	<0.0500	<0.0500	5.00	<1.50	5.00			
MW-1	10/30/14	***6.59***	<0.0500	<0.2500	<0.0250	10.00	<1.48	10.00			
MW-1	3/3/15	***5.56***	<0.05000	<0.0250	<0.0250	6.58	<1.50	6.58			
MW-1	10/29/15	***1.49***	<0.040000	<0.020000	<0.0200	2.07	<1.41	2.07			
MW-1	3/3/16	***1.50***	<0.0400	<0.0200	<0.0200	2.24	<1.41	2.24			
MW-1	8/23/16	***3.59***	<0.0200	<0.0200	<0.0200	1.99	<1.50	1.99			
MW-1	3/3/17	***0.0978***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-1	8/31/17	***2.34***	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-1	4/5/18	***1.650***	<0.00200	<0.00200	<0.00200	3.08	<1.50	3.08			
MW-1	8/29/18	***2.94***	<0.00200	<0.00200	<0.00200	4.00	<1.50	4.00			
MW-1	1/29/19	***2.02***	0.002	0.002	0.002	<1.50	<1.50	<1.50			
MW-1	12/17/19	***0.84***	<0.00020	<0.00021	<0.00037	3.0	<1.50	3.0			
MW-1	4/10/20	***0.45***	<0.00020	<0.00021	<0.00037	1.6	0.091 J	0.32			
MW-1	6/9/21	***0.0749***	<0.000412	<0.000160	<0.000510	0.242 B	1.02	1.262 B			
MW-1	11/10/21	***0.204***	<0.000412	<0.000160	<0.000510	--	--	--			
MW-1	6/30/22	***0.0436***	<0.000278	<0.000137	<0.000174	0.368	0.770	2.46	49.2		
MW-1	10/24/23	***0.0219***	<0.000623	ND	ND	0.427	0.377	1.177	40.2		
MW-2	6/19/02	***1.15***	<0.005	0.009	0.017				88.6	335	
MW-2	10/9/02	***1.73***	<0.010	0.017	0.040						
MW-2	8/12/03	***0.947***	<0.005	0.007	0.014						
MW-2	8/10/04	***0.149***	0.001	0.001	0.003				78	361	
MW-2	2/18/05	***1.15***	<0.010	0.0115	0.030				169		
MW-2	12/21/05	***15.0***	4.0	**0.760**	0.700				62.4		
MW-2	4/11/06	***0.65***	0.11	0.035	0.280				87.4		
MW-2	10/12/06	***1.10***	0.19	0.017	0.029				81.1		
MW-2	5/7/07	***0.490***	0.004 J	0.0023	0.009				80.8	469	
MW-2	10/24/07	***0.90***	0.0007 J	0.004	0.016				79.8		
MW-2	5/21/08	***1.3***	0.0035	0.004	0.014				100		
MW-2	10/16/08	***0.67***	0.0013 J	0.0013 J	0.011 J				92.3		
MW-2	4/20/09	***0.74***	0.0013 J	0.0013 J	0.015				63.5		
MW-2	9/29/09	***0.62***	0.020	0.0043	0.015				67.8		
MW-2	4/6/10	***0.140***	<0.0002	0.0002 J	0.0055						
MW-2	10/6/10	***0.200***	0.035	0.0044	0.0087						
MW-2	4/21/11	***1.000***	0.0033	<0.00020	<0.00070	1.99	0.051		62.0		
MW-2	10/19/11	***0.993***	<0.00200	<0.00100	<0.00100	<1.50	2.04		106		
MW-2	4/26/12	***0.868***	<0.500	<0.250	<0.250	<1.50	<1.50		129		
MW-2	11/12/12	***0.709***	0.0224	0.0122	0.0317	<1.50	<1.50		140		
MW-2	4/25/13	***0.294***	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-2	10/24/13	***0.583***	<0.0100	<0.00500	<0.00500	<1.50	<1.50	<1.50			
MW-2	2/13/14	***0.174***	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
MW-2	10/30/14	***0.0281***	<0.0020	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-2	3/3/15	***0.0712***	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-2	10/29/15	0.00325	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-2	3/3/16	0.00216	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-2	8/23/16	***0.0622***	<0.00200	<0.00200	<0.00200	1.99	<1.50	<1.50			
MW-2	3/3/17	***0.0447***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	8/31/17	***0.757***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	4/5/18	***0.315***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	8/29/18	***0.249***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-2	1/29/19	**0.00610**	0.002	0.002	0.002	<1.50	<1.50	<1.50			
MW-2	12/20/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-2	4/10/20	**0.0051**	<0.00020	<0.00021	<0.00037	0.035 J	<0.045	<0.15			
MW-2	6/9/21	**0.0099**	<0.000412	<0.000160	<0.000510	0.0727 B J	0.216	0.289			
MW-2	11/10/21	**0.0758**	<0.000412	0.000175 J	<0.000510	--	--	--			
MW-2	6/30/22	***0.0176***	0.00278	<0.000137	<0.000174	0.405	0.0738	0.4788	-98.4		
MW-2	10/24/23	*--*	--	--	--	--	--	--	--		SVE Remediation Well
MW-3	6/20/02	***1.05***	0.739	0.345	0.416				56.1		
MW-3	10/9/02	***4.8***	1.24	0.088	0.178						
MW-3	8/11/03	***3.3***	1.13	0.24	0.272						
MW-3	8/10/04	***2.57***	1.190	0.185	0.222				49.6		
MW-3	2/18/05										Nry--H2ry
MW-3	12/20/05										Nry--H2ry
MW-3	4/11/06	***1.70***	0.62	0.091	0.086				47.7		
MW-3	10/12/06	***5.30***	1.8	0.16	0.240				60.2		
MW-3	5/3/07	***3.40***	1.3	0.16	0.260				56.3	359	
MW-3	10/24/07										Nry-- a ass
MW-3	5/20/08	***1.40***	0.085	0.034	0.045				63		
MW-3	10/16/08										Na b d u
MW-3	4/16/09	***0.46***	0.061	0.011	0.020				54.9		
MW-3	9/29/09	***0.50***	0.091	0.012	0.019				52.8		
MW-3	4/6/10	***0.570***	0.190	0.021	0.028						
MW-3	10/6/10	***0.430***	0.160	0.017	0.025						
MW-3	4/21/11	***6.600***	1.100	0.088	0.120	14.5	0.026 J		41.7		
MW-3	10/19/11	***7.05***	0.372	0.391	0.480	11.1	2.200		43.8		
MW-3	4/24/12										Nry--LN PL
MW-3	11/12/12	***7.06***	0.822	0.249	0.204	11.8	<1.50		43.5		
MW-3	4/26/13	***11.70***	0.884	0.289	0.301	13.0	<1.50				
MW-3	10/22/13										Nry--LN PL
MW-3	2/11/14										Nry--LN PL
MW-3	10/27/14										Nry--LN PL
MW-3	2/24/15										Nry--LN PL
MW-3	10/28/15										Nry--LN PL
MW-3	2/29/16										Nry--LN PL
MW-3	8/23/16	***6.60***	0.0685	<0.100	0.242	6.19	1.75	7.94			
MW-3	3/3/17										Nry--LN PL
MW-3	8/30/17										Nry--LN PL
MW-3	4/5/18										Nry--LN PL
MW-3	8/29/18										Nry--LN PL
MW-3	1/29/19										Nry--LN PL
MW-3	12/20/19										Nry--LN PL
MW-3	4/7/20										Nry--LN PL
MW-3	6/8/21										Nry--LN PL
MW-3	11/10/21										Nry--LN PL
MW-3	6/30/22										Nry--LN PL
MW-3	10/24/23										SVE Remediation Well
MW-4	6/20/02	0.001	<0.001	<0.001	<0.001				142	558	
MW-4	10/9/02	***0.705***	<0.005	0.005	0.011						
MW-4	8/13/03	***2.39***	<0.005	0.012	0.006						
MW-4	8/11/04	***3.73***	0.0409	0.077	0.037				44.3	329	
MW-4	2/18/05	***6.85***	0.004 J	0.043	0.024				43.0	312	
MW-4	12/20/05	***4.80***	<0.001	0.035	0.018				50.5		
MW-4	4/12/06	***5.00***	0.014	0.050	0.018 J				42.9		
MW-4	10/11/06	***6.30***	0.0031 J	0.039	0.020				52.6		
MW-4	4/30/07	***14.00***	0.0089 J	0.170	0.074				64.4	276	

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
MW-4	10/24/07	***14.00***	0.012	0.180	0.067				53.4		
MW-4	5/19/08	***12.00***	0.170	0.150	0.110				62.9		
MW-4	10/20/08	***17.00***	1.1	0.580	2.200				63.4		
MW-4	4/15/09	***20.00***	0.180	0.390	0.28 J				57.10		
MW-4	9/30/09	***18.00***	0.110	0.320	0.140 J				56.70		
MW-4	4/6/10	***25.0***	0.490	0.470	0.220 J						
MW-4	10/7/10	***20.0***	0.500	0.370	0.200						
MW-4	4/26/11	***39.0***	0.170	0.230	0.130	75.7	0.360		86.4		
MW-4	10/20/11	***23.1***	<0.200	0.128	<0.100	21.4	1.810		79		
MW-4	4/26/12	***16.6***	<0.500	<0.250	<0.250	15.9	<1.50		77.1		
MW-4	11/7/12	***19.2***	0.464	0.113	0.449	18.6	<1.50		70.7		
MW-4	4/26/13	***20.5***	<0.200	<0.100	<0.100	18.8	<1.50				
MW-4	10/24/13	***19.6***	<0.100	0.167	0.0595	21.7	<1.50	21.7			
MW-4	2/14/14	***19.9***	<0.100	0.070	0.0500	30.5	<1.50	30.5			
MW-4	10/29/14	***26.2***	<0.200	0.202	<0.100	34.0	<1.48	34.0			
MW-4	3/3/15	***23.4***	<0.20001	0.177	<0.100	24.6	<1.50	24.6			
MW-4	10/28/15	***9.52***	0.141	0.051	0.0550	15.7	<1.41	15.7			
MW-4	3/3/16	***5.77***	0.0201	0.0450	0.0297	6.26	<1.41	6.26			
MW-4	8/24/16	***6.81***	<0.100	<0.100	<0.100	5.88	<1.50	5.88			
MW-4	3/1/17	***4.20***	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-4	8/31/17	***6.19***	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-4	4/4/18	***12.80***	<0.00200	0.00294	<0.00200	21.1	<1.50	21.1			
MW-4	8/28/18	***9.76***	<0.20000	<0.20000	<0.20000	13.7	<1.50	13.7			
MW-4	1/29/19	***6.92***	0.2	0.00228	0.00113	9.64	<1.50	<1.50			
MW-4	12/19/19	***11.00***	0.004	0.044	0.030 J	28.00	<1.50	28.0			
MW-4	12/19/19	***12.00***	0.004	0.044	0.030 J	33.00	<1.50	33.0			
MW-4	4/9/20	***3.40***	0.0048 J	0.017	0.0056 J	13.00	0.055 J	<0.16			
MW-4	4/9/20	***3.20***	0.0045 J	0.016	<0.020	12.00	0.055 J	<0.16			
MW-4	6/9/21	***11.40***	0.000655 J	0.00543	0.00555	31.90	0.618	32.5			
MW-4	11/10/21	***15.80***	<0.0412	<0.0160	<0.0510	--	--	--			
MW-4	6/30/22	***12.7***	0.000278	0.0212	0.00118	32.6	0.502	33.28	74.5		
MW-4	10/24/23	***24.7***	ND	0.225	ND	37.5	0.662	38.162	84.4		
MW-5	6/20/02	0.002	<0.001	<0.001	<0.001				160	521	
MW-5	10/9/02	***0.489***	<0.001	<0.001	<0.001						
MW-5	8/13/03	***0.361***	0.002	0.001	0.002						
MW-5	8/12/04	***0.169***	0.0005	0.0021	0.002				63.8	408	
MW-5	2/18/05	***0.125***	<0.001	0.001 J	0.002				48.8	397	
MW-5	12/21/05	***0.30***	<0.0007	0.002 J	0.002 J				36.1		
MW-5	4/12/06	***0.04***	0.014	0.0055	0.006				26.9		
MW-5	10/12/06	***0.71***	0.200	0.036	0.039				31.5		
MW-5	4/26/07	***0.013***	<0.0002	<0.0002	<0.0006				26.7	303	
MW-5	10/23/07	**0.0083**	<0.0002	<0.0002	<0.0006				25.6		
MW-5	5/20/08	***0.066***	0.0012	0.0086	0.011				30.1		
MW-5	10/20/08	***0.012***	0.0015	0.0003 J	<0.0006				37.3		
MW-5	4/21/09	***0.028***	0.0007 J	0.0018	0.0015 J				27.2		
MW-5	9/29/09	***0.011***	0.0008 J	<0.0002	<0.0006				25.9		
MW-5	4/6/10	***0.037***	0.0004 J	0.0003 J	<0.0006						
MW-5	10/5/10	***0.019***	<0.0002	<0.0002	<0.0006						
MW-5	4/21/11	0.0014	0.0025	<0.00020	<0.00070	<0.020	<0.020		20.5		
MW-5	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	1.87		25.4		
MW-5	4/25/12	***0.0335***	<0.00200	<0.00100	<0.00100	<1.50	<1.50		29.3		
MW-5	11/8/12	**0.00901**	<0.00200	<0.00100	<0.00100	<1.50	1.68		27.8		
MW-5	4/25/13	**0.00819**	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-5	10/23/13	***0.0176***	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-5	2/13/14	***0.0574***	<0.00200	<0.00100	0.00267	<1.50	<1.50	<1.50			
MW-5	10/29/14	0.0031	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-5	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-5	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-5	3/3/16										Nry - a sulm u a
MW-5	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	3/2/17	0.00223	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	8/31/17	***0.0609***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	4/5/18	0.0022	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		***0.005***	***0.1 mg/L***	***0.7 mg/L***	***0.62 mg/L***	---	---	---	***250 mg/L***	***1,000 mg/L***	
MW-5	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-5	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-5	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	0.036 J	<0.048	<0.16			
MW-5	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.223	0.223			
MW-5	11/10/21										Nry
MW-5	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	<0.0222	0.0714	84.8		
MW-5	10/24/23	0.000131	0.00166	ND	ND	0.0356	ND	0.0356	51.1		
MW-6	6/20/02	***0.444***	<0.001	<0.001	<0.001				28.4	329	
MW-6	10/9/02	***5.45***	<0.010	<0.010	0.032						
MW-6	8/12/03	***1.63***	<0.005	<0.005	0.010						
MW-6	8/10/04	***0.827***	0.001	0.001	0.006				24.8	318	
MW-6	2/18/05	***1.62***	<0.0050	<0.0050	0.000				31.9	368	
MW-6	12/21/05	***1.8***	<0.001	<0.002	0.005 J				25.8		
MW-6	4/11/06	***1.5***	0.330	0.043	0.049				49.5		
MW-6	10/12/06	***2.2***	<0.001	0.0028 J	0.015				39.1		
MW-6	5/1/07	***0.850***	0.0050 J	0.0028	0.007				26.3	282	
MW-6	10/24/07	***1.1***	0.0005 J	0.0049	0.009				37.9		
MW-6	5/20/08	***0.940***	0.0012	0.0073	0.015				24.1		
MW-6	10/16/08	***0.530***	0.001 J	0.0023 J	0.0051 J				22.9		
MW-6	4/16/09	***1.4***	0.0003 J	0.0027	0.011				22.1		
MW-6	9/29/09	***1.9***	0.0035	0.0054	0.025				27		
MW-6	4/6/10	***1.600***	0.0004 J	0.0083	0.028						
MW-6	10/7/10	***0.460***	0.0051	0.0015	0.0063						
MW-6	4/21/11	***0.800***	0.0031	<0.00020	0.00089 J	1.60	<0.020		27.5		
MW-6	10/20/11	***0.289***	<0.00200	<0.00100	<0.00100	<1.50	2.21		40.9		
MW-6	4/27/12	***0.250***	<0.00200	<0.00100	<0.00100	<1.50	<1.50		50.0		
MW-6	11/12/12	***0.807***	<0.02000	<0.01000	<0.01000	<1.50	<1.50		52.1		
MW-6	4/26/13	***0.628***	<0.01000	<0.00500	<0.00500	<1.50	<1.50				
MW-6	10/24/13	***1.04***	<0.0100	<0.00500	<0.00500	2.10	<1.50	2.10			
MW-6	2/13/14	***0.23***	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-6	10/30/14	***0.0392***	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-6	3/3/15	***0.0355***	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-6	10/29/15	***0.132***	<0.0020	<0.00100	<0.00100	<1.51	<1.41	<1.51			
MW-6	3/3/16	***0.0177***	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-6	8/24/16	***0.208***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	3/3/17	***0.0275***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	4/6/18	***0.109***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	8/29/18	***0.480***	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW-6	1/29/19	***0.0188***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-6	12/20/19	***0.0130***	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-6	4/9/20	**0.0073**	<0.00020	<0.00021	<0.00037	0.064	<0.046	<0.15			
MW-6	6/9/21	0.000947	<0.000412	<0.000160	<0.000510	0.0374 B J	0.342	0.379			
MW-6	11/10/21	**0.386**	<0.000412	0.000311 J	0.00191 B	--	--	--			
MW-6	6/30/22	***0.00682***	<0.000278	<0.000137	<0.000174	0.107	0.0317	1.79	47.4		
MW-6	10/24/23	***0.00241***	0.000409	ND	ND	0.0965	0.0101	0.2613	46.4		
MW-7	6/20/02	0.001	<0.001	<0.001	<0.001				31.9	337	
MW-7	10/9/02	***0.086***	<0.001	<0.001	0.001						
MW-7	8/12/03	***0.241***	<0.001	<0.001	0.002						
MW-7	8/10/04	***0.0436***	<0.001	<0.001	<0.001				19.5	322	
MW-7	2/18/05	***0.0375***	<0.001	<0.001	<0.001				23.5	387	
MW-7	12/21/05	***0.012***	<0.0007	<0.0008	<0.0008				18.0		
MW-7	4/12/06	***0.1***	0.043	0.0086	0.008				16.9		
MW-7	10/12/06	***0.13***	0.0002 J	0.0006 J	0.0009 J				31.9		
MW-7	5/1/07	<0.0002	<0.0002	<0.0002	<0.0006				18.4	293	
MW-7	10/24/07	***0.17***	0.0003 J	0.010	0.004				18.5		
MW-7	5/20/08	***0.045***	0.0009 J	0.0066	0.009				19.8		
MW-7	10/15/08	0.0032	0.0003 J	<0.0002	<0.0006				18.2		
MW-7	4/16/09	0.009	<0.0002	<0.0002	<0.0006				15.6		
MW-7	9/29/09	0.0023	0.0009 J	<0.0002	<0.0006				16		
MW-7	4/5/10	0.0040	0.0003 J	<0.0002	<0.0006						
MW-7	10/5/10	**0.0066**	<0.0002	<0.0002	<0.0006						
MW-7	4/20/11	<0.00020	0.0046	<0.00020	<0.00070	<0.020	<0.020		19.0		

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
MW-7	10/20/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		20.7		
MW-7	4/24/12	<0.00100	0.00405	<0.00100	<0.00100	<1.50	<1.50		20.8		
MW-7	11/12/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		17.8		
MW-7	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-7	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	10/29/14	0.00408	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-7	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-7	10/29/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-7	3/3/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-7	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	9/1/17	***1.05***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	4/6/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	1/29/19	0.00061	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-7	12/20/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-7	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	<0.15			
MW-7	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	0.0388 B J	0.0629 J	0.102			
MW-7	11/10/21										Nry
MW-7	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0523	0.116	27.2		
MW-7	10/24/23	--	--	--	--	--	--	--	--		
MW-8	6/20/02	***1.23***	<0.005	0.046	0.021				31.9	359	
MW-8	10/9/02	***0.579***	<0.005	0.031	0.018						
MW-8	8/12/03	***0.673***	0.001	0.010	0.013						
MW-8	8/10/04	***0.441***	0.001	0.047	0.015				42.1	392	
MW-8	2/18/05	***2.32***	0.010 J	0.048	0.021				56.3	532	
MW-8	12/21/05	***4.6***	0.051	0.460	0.120				56.1		
MW-8	4/11/06	***3.4***	0.170	0.170	0.072				50.6		
MW-8	10/12/06	***4.3***	0.180	0.260	0.098				49.3		
MW-8	5/1/07	***4.1***	0.016	0.200	0.093				48.9	429	
MW-8	10/24/07	***4.4***	0.018	0.220	0.086				52.9		
MW-8	5/21/08	***1.7***	0.049	0.038	0.033				48.2		
MW-8	10/16/08	***5.3***	0.0068 J	0.140	0.081				53.6		
MW-8	4/20/09	***6.1***	0.130	0.200	0.110				46.9		
MW-8	9/30/09	***4.0***	0.0085	0.120	0.067				42.8		
MW-8	4/6/10	***2.9***	0.120	0.091	0.062						
MW-8	10/5/10										Nry--LN PL
MW-8	4/18/11										Nry--LN PL
MW-8	10/18/11										Nry--LN PL
MW-8	4/23/12										Nry--LN PL
MW-8	11/5/12										Nry--LN PL
MW-8	4/23/13										Nry--LN PL
MW-8	10/22/13										Nry--LN PL
MW-8	2/11/14										Nry--LN PL
MW-8	10/27/14										Nry--LN PL
MW-8	2/24/15										Nry--LN PL
MW-8	10/26/15										Nry--LN PL
MW-8	2/29/16										Nry--LN PL
MW-8	8/22/16										Nry--LN PL
MW-8	3/3/17										Nry--LN PL
MW-8	8/31/17	***3.25***	***2.92***	0.728	***1.11***	24.5	8.17	35.6			
MW-8	4/3/18										Nry--LN PL
MW-8	8/29/18	***3.62***	***1.37***	0.292	***0.40***	24.8	2.85	27.7			
MW-8	1/29/19	***1.67***	0.0147	0.0618	0.0886	6.77	1.02	7.79			
MW-8	12/16/19										Nry--LN PL
MW-8	6/8/21										Nry--LN PL
MW-8	11/10/21										Nry--LN PL
MW-8	6/30/22										Nry--LN PL
MW-8	10/24/23										SVE Remediation Well
MW-9	10/9/02	0.004	0.001	<0.001	0.023						
MW-9	8/12/03	***0.083***	0.002	<0.001	0.007						
MW-9	8/10/04	0.004	0.001	0.0003	0.002				230	915	
MW-9	2/18/05	0.001 J	<0.001	0.0002 J	0.009				34.0	625	

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
MW-9	12/21/05	0.001 J	<0.0007	<0.0008	0.019				23.9		
MW-9	4/11/06	***0.30***	0.150	0.027	0.032				77.5		
MW-9	10/12/06	***0.46***	0.093	0.025	0.025				58.8		
MW-9	5/1/07	***0.710***	0.0005 J	0.0021	0.003				136	677	
MW-9	10/24/07	***0.11***	<0.001	0.0057	0.012				31.2		
MW-9	5/21/08	***2.70***	0.016	0.0072	0.0093 J				95.1		
MW-9	4/20/09	***2.60***	0.0075 J	0.017	0.012 J				110		
MW-9	9/30/09	***3.20***	0.0021	0.0025	0.0023 J				141		
MW-9	4/6/10	***5.500***	0.057	0.061	0.081						
MW-9	10/7/10	***3.100***	0.027	0.072	0.013 J						
MW-9	4/26/11	***4.700***	0.069	0.059	0.011	9.320	<0.050		155		
MW-9	10/18/11										Nry--LN PL
MW-9	4/23/12										Nry--LN PL
MW-9	11/5/12										Nry--LN PL
MW-9	4/23/13										Nry--LN PL
MW-9	10/22/13										Nry--LN PL
MW-9	2/11/14										Nry--LN PL
MW-9	10/27/14										Nry--LN PL
MW-9	2/24/15										Nry--LN PL
MW-9	10/26/15										Nry--LN PL
MW-9	2/29/16										Nry--LN PL
MW-9	8/22/16										Nry--LN PL
MW-9	3/3/17										Nry--LN PL
MW-9	8/30/17										Nry--LN PL
MW-9	4/3/18										Nry--LN PL
MW-9	8/29/18										Nry--LN PL
MW-9	1/29/19										Nry--LN PL
MW-9	12/19/19										Nry--LN PL
MW-9	4/6/20										Nry--LN PL
MW-9	6/8/21										Nry--LN PL
MW-9	11/10/21										Nry--LN PL
MW-9	6/30/22										Nry--LN PL
MW-9	10/24/23										Nry--LN PL
MW-10	10/8/02	***0.029***	<0.001	<0.001	<0.001						
MW-10	8/12/03	***0.060***	<0.001	<0.001	<0.001						
MW-10	8/11/04	***0.050***	0.0002	0.0004	0.001				35.4	328	
MW-10	2/18/05	***0.022***	<0.001	<0.001	<0.001				36.5	380	
MW-10	12/20/05	***0.024***	<0.0007	0.002 J	0.002 J				48.1		
MW-10	4/11/06	0.0033	0.0003 J	<0.0002	<0.0006				38.4		
MW-10	10/11/06	0.0037	<0.0002	<0.0002	<0.0006				33.3		
MW-10	4/26/07	0.0002 J	<0.0002	<0.0002	<0.0006				41.8	311	
MW-10	10/22/07	<0.0002	<0.0002	<0.0002	<0.0006				30.2		
MW-10	5/16/08	0.0041	<0.0002	0.001	<0.0006				32.5		
MW-10	10/14/08	<0.005	0.0003 J	<0.0002	<0.0006				33.1		
MW-10	4/16/09	***0.034***	0.0005 J	0.002	0.0015 J				31.7		
MW-10	9/29/09	0.0032	0.0018	0.0005 J	<0.0006				30.9		
MW-10	4/6/10	0.0044	0.0003 J	<0.0002	<0.0006						
MW-10	10/5/10	**0.0051**	<0.0002	<0.0002	<0.0006						
MW-10	4/20/11	<0.00020	0.0015	<0.00020	<0.00070	<0.020	<0.020		42.7		
MW-10	10/20/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		38.0		
MW-10	4/25/12	<0.00100	0.00311	<0.00100	<0.00100	<1.50	<1.50		37.5		
MW-10	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		30.1		
MW-10	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-10	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-10	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-10	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-10	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-10	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
MW-10	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-10	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-10	4/10/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.045	<0.15			
MW-10	6/9/21	0.000213 J	<0.000412	<0.000160	<0.000510	<0.0314	0.445	0.445			
MW-10	11/10/21										Nry
MW-10	6/30/22	DAMAGED	NOT SAMPLED								
MW-10	10/24/23	DAMAGED	NOT SAMPLED								
MW-11	10/8/02	<0.001	<0.001	<0.001	<0.001						
MW-11	8/13/03	<0.001	<0.001	<0.001	<0.001						
MW-11	8/11/04	<0.001	<0.001	<0.001	<0.001				47.9	340	
MW-11	2/18/05	<0.001	<0.001	<0.001	<0.001				50.1	441	
MW-11	12/20/05	0.0006 J	<0.0007	<0.0008	<0.0008				43.1		
MW-11	4/11/06	0.0009 J	0.0002 J	<0.0002	<0.0006				39.8		
MW-11	10/11/06	0.0005 J	0.0003 J	<0.0002	<0.0006				56.1		
MW-11	4/26/07	0.0003 J	<0.0002	<0.0002	<0.0006				70.6	268	
MW-11	10/22/07	<0.0002	<0.0002	<0.0002	<0.0006				38.7		
MW-11	5/14/08	0.0014	<0.0002	0.0007 J	<0.0006				65		
MW-11	10/14/08	0.0003 J	0.0002 J	<0.0002	<0.0006				97.4		
MW-11	04/16/09										Dasulatad
MW-12	10/8/02	<0.001	<0.001	<0.001	<0.001						
MW-12	8/13/03	<0.001	<0.001	<0.001	<0.001						
MW-12	8/11/04	<0.001	<0.001	<0.001	<0.001				40.8	324	
MW-12	2/18/05	0.001 J	<0.001	<0.001	<0.001				45.2	378	
MW-12	12/20/05	<0.0005	<0.0007	<0.0008	<0.0008				41.3		
MW-12	4/11/06	0.0007 J	<0.0002	<0.0002	<0.0006				37.2		
MW-12	10/11/06	<0.0002	0.0002 J	<0.0002	<0.0006				103		
MW-12	4/26/07	<0.0002	<0.0002	<0.0002	<0.0006				41	263	
MW-12	10/22/07	0.0002 J	<0.0002	<0.0002	<0.0006				65.2		
MW-12	5/14/08	0.0009 J	<0.0002	0.0006 J	<0.0006				45.9		
MW-12	10/14/08	0.0002 J	0.0003 J	0.0002 J	<0.0006				49.2		
MW-12	4/16/09	***0.066***	0.0008 J	0.0028	0.0021 J				46.4		
MW-12	9/30/09	0.0045	0.0024	0.0006 J	0.0006 J				40.1		
MW-12	4/6/10	0.0005 J	<0.0002	<0.0002	<0.0006						
MW-12	10/6/10	0.0012	<0.0002	<0.0002	<0.0006						
MW-12	4/19/11	<0.00020	0.0043	<0.00020	<0.00070	<0.020	<0.020		45.5		
MW-12	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		46.3		
MW-12	4/25/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		45.1		
MW-12	11/12/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		38.5		
MW-12	4/23/13										Nry--wa d a gad
MW-12	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-12	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-12	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-12	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	6.32	6.32			
MW-12	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-12	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-12	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		529	
MW-12	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	1/31/19	<0.00020	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-12	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-12	4/7/20	<0.00018	0.00022 J	<0.00021	<0.00037	<0.023	<0.047	0.25 J	--	--	
MW-12	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.0735 J	0.0735 J	--	--	
MW-12	11/10/21	<0.000190	0.000502 B J	<0.000160	<0.000510	--	--	--	--	--	
MW-12	6/30/22	<0.0000941	<0.000278	<0.00137	<0.000174	<0.0314	0.0559	<0.0118	40.9		
MW-12	10/24/23	0.000114	0.000501	ND	ND	ND	ND	ND	66.4		
MW-13	10/8/02	***0.065***	<0.001	<0.001	<0.001						
MW-13	8/13/03	***0.060***	0.002	<0.001	<0.001						
MW-13	8/11/04	*0.004*	<0.001	<0.001	<0.001				62.0	400	
MW-13	2/18/05	*0.003*	<0.001	<0.001	<0.001				72.4	427	
MW-13	12/20/05	***0.038***	<0.0007	<0.0008	<0.0008				86.4		
MW-13	4/12/06	***0.170***	0.015	0.005	0.005				115		

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		***0.005***	***0.1 mg/L***	***0.7 mg/L***	***0.62 mg/L***	---	---	---	***250 mg/L***	***1,000 mg/L***	
MW-13	10/11/06	0.0039	<0.0002	<0.0002	<0.0006				103		
MW-13	5/3/07	***0.031***	0.0005 J	0.0008 J	0.0011 J				114	495	
MW-13	10/22/07										Nry--absulm uad
MW-13	5/20/08	***0.380***	0.0062	0.0049	0.004				112		
MW-13	10/20/08	***0.028***	0.0018	0.0003 J	0.0008 J				114		
MW-13	4/16/09	***0.037***	<0.0002	<0.0002	0.0007 J				112		
MW-13	9/30/09	***0.025***	0.0015	0.0007 J	0.0022 J				101		
MW-13	4/6/10	0.0030	0.0002 J	<0.0002	<0.0006						
MW-13	10/5/10	0.0042	<0.0002	<0.0002	<0.0006						
MW-13	4/20/11	<0.00020	0.0016	<0.00020	<0.00070	<0.020	<0.020		76.5		
MW-13	10/20/11	0.00139	<0.00200	<0.00100	<0.00100	<1.50	<1.50		75.0		
MW-13	4/26/12	0.00158	0.00288	<0.00100	<0.00100	<1.50	<1.50		81.1		
MW-13	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		76.7		
MW-13	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-13	10/24/13	***0.0192***	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-13	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-13	10/27/15	<0.00100	<0.00200	<0.00100		<1.41	<1.41	<1.41			
MW-13	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-13	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	4/4/18	0.00202	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-13	12/18/19	<0.00018	<0.00020	<0.00021	<0.000237	<1.50	<1.50	<1.50			
MW-13	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	<0.15			
MW-13	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.355	0.355			
MW-13	11/10/21	0.00197	<0.000412	<0.000160	<0.000510	--	--	--			
MW-13	6/30/22	0.000124	<0.000278	<0.000137	<0.000174	<0.0314	0.551	1.35	76.9		
MW-13	10/24/23	0.000145	0.00119	ND	ND	ND	0.211	0.357	64.3		
MW-14	10/9/02	***3.63***	0.014	0.098	0.187						
MW-14	8/13/03	***1.65***	0.014	0.165	0.260						
MW-14	8/11/04	***0.786***	0.0464	0.172	0.227				111	791	
MW-14	2/18/05	***1.34***	0.0378	0.159	0.178				103	916	
MW-14	12/20/05	***2.80***	0.049	**0.750**	0.670				82.1		
MW-14	4/12/06	***0.93***	0.053	0.055	0.053				30.7		
MW-14	10/12/06										Nry
MW-14	4/30/07	***0.880***	0.005 J	0.200	0.280				29.8	669	
MW-14	10/23/07	***0.77***	0.0057	0.160	0.210				21.8		
MW-14	5/20/08	***0.970***	0.0067	0.180	0.210				20.1		
MW-14	10/20/08	***1.50***	0.027	0.220	0.270				26.2		
MW-14	4/16/09	***0.86***	0.0051	0.140	0.240				17.2		
MW-14	9/29/09	***0.56***	0.012	0.057	0.160				14.8		
MW-14	4/6/10	***0.540***	0.0042	0.083	0.180						
MW-14	10/6/10	***0.170***	0.028	0.0068	0.086						
MW-14	4/20/11	***0.460***	0.0022	0.00088 J	0.0035	1.04	0.69		31.4		
MW-14	10/19/11	***1.48***	<0.200	<0.100	<0.100	<1.50	1.560		55.9		
MW-14	4/26/12	***0.487***	<0.0400	<0.0200	<0.0200	<1.50	<1.50		55.8		
MW-14	11/7/12	***0.104***	<0.00200	<0.00100	<0.00100	<1.50	<1.50		69.7		
MW-14	4/25/13	***0.203***	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-14	10/24/13	***0.162***	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-14	2/13/14	***0.128***	<0.00200	<0.00100	0.00300	<1.50	<1.50	<1.50			
MW-14	10/29/14	**0.00813**	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-14	3/2/15	***0.0194***	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-14	10/28/15	***0.0186***	<0.00200	<0.00100	<0.00100	<1.41	<2.13	<2.13			
MW-14	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	1.9	<1.41	1.9			
MW-14	8/24/16	0.00676	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	4/4/18	**0.00766**	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-14	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
MW-14	1/30/19	0.00904	0.002	0.002	0.002	0.002	<1.50	<1.50			
MW-14	12/19/19	0.0010	<0.00020	<0.00021	0.00080 J	<1.50	<1.50	<1.50			
MW-14	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	0.064	0.24 J	<0.16			
MW-14	6/9/21	<0.000190	<0.000412	<0.000160	0.000646 J	0.41	0.675	1.085			
MW-14	11/10/21	0.0014	<0.000412	<0.000160	<0.000510	--	--	--			
MW-14	6/30/22	<0.000113	<0.0050	<0.000137	<0.000174	0.221	0.302	0.983	12.1		
MW-14	10/24/23	0.00375	<.00125	ND	0.000273	0.579	0.178	0.8335	11.2		
MW-15	10/9/02	<0.001	<0.001	<0.001	<0.001						
MW-15	8/13/03	<0.001	<0.001	<0.001	<0.001						
MW-15	8/12/04	<0.001	<0.001	<0.001	<0.001				60.3	450	
MW-15	2/18/05	<0.001	<0.001	<0.001	<0.001				78.0	462	
MW-15	12/20/05	0.006	<0.0007	0.003 J	0.002 J				79.2		
MW-15	4/12/06	***0.58***	0.054	0.018	0.016				54.8		
MW-15	10/11/06	***0.034***	<0.0002	0.0008 J	<0.0006				91.6		
MW-15	4/30/07	0.0005 J	<0.0002	<0.0002	<0.0006				94.7	433	
MW-15	10/23/07	0.0011	<0.0002	<0.0002	<0.0006				88.3		
MW-15	5/19/08	<0.0002	<0.0002	0.0003 J	<0.0006				99.5		
MW-15	10/14/08	0.0012	0.0021	0.0007 J	0.0016 J				78.6		
MW-15	4/15/09	<0.0002	<0.0002	<0.0002	<0.0006				79.7		
MW-15	9/29/09	**0.0065**	0.0030	0.0007 J	0.0008 J				84.0		
MW-15	4/5/10	**0.0082**	0.0003 J	<0.0002	0.0007 J						
MW-15	10/5/10	***0.029***	<0.0002	<0.0002	0.0011 J						
MW-15	4/26/11	<0.0010	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		95.1		
MW-15	10/19/2011	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		70.8		
MW-15	4/25/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		78.1		
MW-15	11/8/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		76.6		
MW-15	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-15	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	2/12/14	0.00134	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-15	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-15	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-15	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-15	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-15	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-15	4/8/20	0.00027 J	<0.00020	<0.00021	<0.00037	<0.023	<0.045	<0.15			
MW-15	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.154	0.154			
MW-15	11/10/21										Nry
MW-15	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.0519	0.14	51.3		
MW-15	10/24/23	--	--	--	--	--	--	--	--		
MW-16	10/23/03	<0.001	<0.001	<0.001	<0.001				60.3	381	
MW-16	8/12/04	<0.001	<0.001	<0.001	<0.001				56.6	346	
MW-16	2/18/05	<0.001	<0.001	<0.001	<0.001				60.0	596	
MW-16	12/20/05	***0.007***	<0.0007	0.002 J	0.001 J				48.3		
MW-16	4/12/06	***0.11***	0.024	0.011	0.010				33.3		
MW-16	10/11/06	***0.064***	<0.0002	0.001	0.0006 J				49.3		
MW-16	4/26/07	0.001 J	<0.0002	<0.0002	<0.0006				59.5	176	
MW-16	10/23/07	<0.0002	<0.0002	<0.0002	<0.0006				46.4		
MW-16	5/19/08	0.0007 J	<0.0002	0.0004 J	<0.0006				53.6		
MW-16	10/14/08	0.0007 J	0.0025	0.0005 J	0.0012 J				57.1		
MW-16	4/15/09	<0.0002	<0.0002	<0.0002	<0.0006				49.1		
MW-16	9/29/09	0.0094	0.0037	0.0007 J	0.0008 J				51.8		
MW-16	4/5/10	<0.0002	<0.0002	<0.0002	<0.0006						
MW-16	10/5/10	<0.0002	<0.0002	<0.0002	<0.0006						
MW-16	4/19/11	<0.00020	0.0030	<0.00020	<0.00070	<0.020	<0.020		53.1		
MW-16	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	1.64		53.6		
MW-16	4/24/12	<0.00100	0.00333	<0.00100	<0.00100	<1.50	<1.50		84.1		
MW-16	11/7/12	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50		53.7		
MW-16	4/24/13	<0.00100	<0.00200	<0.00100	0.00600	<1.50	<1.50				

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
MW-16	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	2/12/14	0.00431	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-16	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-16	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-16	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-16	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-16	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-16	4/7/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	0.25 J			
MW-16	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.0921 J	0.0921 J			
MW-16	11/10/21										Nry
MW-16	6/30/22	0.000107	<0.000278	<0.000137	<0.000174	<0.0314	0.316	0.115	69.1		
MW-16	10/24/23	0.000162	0.00104	ND	ND	ND	ND	ND	50.3		
MW-17	10/23/03	<0.001	<0.001	<0.001	<0.001				292	1,090	
MW-17	8/12/04	<0.001	<0.001	<0.001	<0.001				230	894	
MW-17	2/18/05	<0.001	<0.001	<0.001	<0.001				160	758	
MW-17	12/20/05	**0.053**	<0.004	<0.004	<0.004				116		
MW-17	4/12/06	**0.5**	0.07	0.012	0.013				55.4		
MW-17	10/11/06	**0.17**	<0.0002	0.0024	0.0014 J				154		
MW-17	4/30/07	**0.001**	<0.0002	<0.0002	<0.0006				145	668	
MW-17	10/23/07	**0.0029**	<0.0002	<0.0002	<0.0006				117		
MW-17	5/19/08	0.0005 J	<0.0002	0.0003 J	<0.0006				133		
MW-17	10/14/08	0.0007 J	0.0022	0.0005 J	0.0012 J				144		
MW-17	4/15/09	<0.0002	<0.0002	<0.0002	<0.0006				77.2		
MW-17	9/29/09	***0.0081***	0.0034	0.0008 J	0.0012 J				46.3		
MW-17	4/5/10	***0.270***	<0.0002	0.0005 J	0.0080						
MW-17	10/5/10	***1.300***	<0.0002	0.0017	0.021						
MW-17	4/26/11	***0.220***	<0.0010	<0.0010	<0.0030	<0.0500	<0.050		33.4		
MW-17	10/20/11	***0.127***	<0.00200	<0.00100	<0.00100	<1.50	1.87		28.2		
MW-17	4/26/12	***0.203***	<0.0400	<0.0200	<0.0200	<1.50	<1.50		30.6		
MW-17	11/7/12	***0.243***	<0.00200	<0.00100	0.00261	<1.50	<1.50		34.3		
MW-17	4/25/13	***6.980***	<0.20000	<0.10000	<0.10000	<8.20	<1.50				
MW-17	10/24/13	***12.1***	<0.100	<0.0500	0.0710	11.1	<1.50	<11.10			
MW-17	2/14/14	***19.8***	<0.100	<0.0500	0.0500	20.9	<1.50	20.9			
MW-17	10/30/14	***22.3***	<0.200	<0.100	<0.100	24.7	<1.48	24.7			
MW-17	3/3/15	***23.8***	<0.200	<0.100	<0.101	29.9	<1.50	29.9			
MW-17	10/28/15	***18.8***	<0.100	<0.128	0.5890	27.4	<1.41	27.4			
MW-17	3/2/16	***0.279***	<0.00200	<0.00100	<0.00100	13.9	<1.41	13.9			
MW-17	8/24/16	***0.0927***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-17	3/1/17	***0.336***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-17	8/30/17	***4.32***	<0.100	<0.100	<0.100	<1.50	<1.50	<1.50			
MW-17	4/4/18	***2.500***	<0.00200	<0.00200	<0.00200	5.23	<1.50	5.23			
MW-17	9/4/18	***0.463***	<0.0400	<0.0400	<0.0400	<1.50	<1.50	<1.50			
MW-17	1/31/19	***2.22***	0.00041	0.002	0.00071	4.00	<1.50	4.00			
MW-17	12/19/19	***6.90***	0.00040	0.0076 J	0.016 J	23.0	<1.50	23.0			
MW-17	4/8/20	***7.30***	<0.00020	0.0014	0.0015 J	19.0	<0.047	<0.16			
MW-17	6/8/21	***1.00***	<0.000412	0.000363 J	<0.000510	1.7	0.147	1.9			
MW-17	11/10/21	***4.94***	<0.000412	0.00125	<0.000510	--	--	--			
MW-17	6/30/22	***6.65***	<0.000279	<0.000684	0.000528	12.9	0.336	13.394			
MW-17	10/24/23	***0.117***	0.00106	ND	ND	0.395	0.145	0.54	182		
MW-18	10/23/03	***0.07***	<0.001	<0.001	<0.001				81.5	637	
MW-18	8/11/04	***0.307***	<0.001	<0.001	0.001				92.2	641	
MW-18	2/18/05	***0.430***	<0.001	<0.001	<0.001				98.2	782	
MW-18	12/20/05	***0.530***	<0.0007	0.005	0.010				102		
MW-18	4/12/06	***0.180***	0.017	0.015	0.016				89.2		
MW-18	10/12/06	***0.042***	<0.0002	<0.0002	<0.0006				104		
MW-18	4/30/07	***0.180***	<0.0002	<0.0002	0.0013 J				105	665	
MW-18	10/23/07	***0.260***	<0.0002	<0.0002	0.0014 J				92.5		
MW-18	5/19/08	***0.460***	0.011	0.0098	0.008				110		

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
MW-18	10/20/08	***0.110***	0.0005 J	0.0009 J	0.0018 J				115		
MW-18	4/16/09	***0.140***	0.0013	0.0037	0.0028 J				97.1		
MW-18	9/30/09	**0.0099**	0.0029	0.0007 J	0.0008 J				100		
MW-18	4/6/10	0.0045	<0.0002	<0.0002	<0.0006						
MW-18	10/6/10	0.0015	<0.0002	<0.0002	<0.0006						
MW-18	4/19/11	<0.00020	0.0030	<0.00020	<0.00070	<0.020	<0.020		73.9		
MW-18	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		48.0		
MW-18	4/25/12	<0.00100	0.00310	<0.00100	<0.00100	<1.50	<1.50		105		
MW-18	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		68.7		
MW-18	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-18	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-18	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-18	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-18	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-18	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	4/4/18	**0.00506**	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-18	1/29/19	0.00043	0.002	0.002	0.002	<1.50	<1.50	<1.50			
MW-18	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-18	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	0.13 J	<0.16			
MW-18	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.254	0.254			
MW-18	11/10/21	0.000307 J	<0.000412	<0.000160	<0.000510	--	--	--			
MW-18	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.201	0.825			
MW-18	10/24/23	0.000156	0.00113	ND	ND	0.0404	0.224	0.3764	46.7		
MW-19	10/22/03	***1.99***	0.334	0.089	0.115				62.0	554	
MW-19	8/9/04	***11.7***	2.9	0.408	0.387				44.3	492	
MW-19	2/18/05	***10.8***	2.16	0.183	0.145				56.6	369	
MW-19	12/21/05	***23.0***	5.4	0.850	0.930				36.7		
MW-19	4/11/06	***16.0***	2.4	0.320	0.360				52.8		
MW-19	10/12/06	***11.0***	2.0	0.350	0.400				53.6		
MW-19	5/1/07	***13.0***	2.0	0.370	0.440				64.2	377	
MW-19	10/24/07	***11.0***	1.1	0.350	0.430				62.2		
MW-19	5/8/08										Nry--LN PL
MW-19	10/08/08										Nry--LN PL
MW-19	04/16/09										Nry--LN PL
MW-19	9/28/09										Nry--LN PL
MW-19	4/5/10										Nry--LN PL
MW-19	10/5/10										Nry--LN PL
MW-19	4/18/11										Nry--LN PL
MW-19	10/18/11										Nry--LN PL
MW-19	4/23/12										Nry--LN PL
MW-19	11/5/12										Nry--LN PL
MW-19	4/23/13										Nry--LN PL
MW-19	10/22/13										Nry--LN PL
MW-19	2/11/14										Nry--LN PL
MW-19	10/27/14										Nry--LN PL
MW-19	2/24/15										Nry--LN PL
MW-19	10/26/15										Nry--LN PL
MW-19	2/29/16										Nry--LN PL
MW-19	8/22/16										Nry--LN PL
MW-19	3/3/17										Nry--LN PL
MW-19	8/30/17										Nry--LN PL
MW-19	4/3/18										Nry--LN PL
MW-19	8/27/18										Nry--LN PL
MW-19	1/29/19										Nry--LN PL
MW-19	12/19/19										Nry--LN PL
MW-19	4/9/20										Nry--LN PL
MW-19	6/8/21										Nry--LN PL
MW-19	11/10/21										Nry--LN PL
MW-19	6/30/22										Nry--LN PL
MW-19	10/24/23										Nry--LN PL
MW-20	10/23/03	<0.001	<0.001	<0.001	<0.001				42.5	441	
MW-20	8/11/04	<0.001	<0.001	<0.001	<0.001				21.3	349	

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
MW-20	2/18/05	<0.001	<0.001	<0.001	<0.001				21.1	446	
MW-20	12/20/05	0.004 J	<0.0007	0.001 J	0.0008 J				18.2		
MW-20	4/11/06	0.0004 J	<0.0002	<0.0002	<0.0006				17.4		
MW-20	10/11/06	0.0005 J	<0.0002	<0.0002	<0.0006				21.7		
MW-20	4/26/07	<0.0002	<0.0002	<0.0002	<0.0006				19.1	322	
MW-20	10/22/07	<0.0002	<0.0002	<0.0002	<0.0006				17.2		
MW-20	5/14/08	0.0037	<0.0002	0.0012	<0.0006				17.5		
MW-20	10/15/08	0.0004 J	0.0004 J	<0.0002	<0.0006				19.1		
MW-20	4/16/09	***0.04***	0.0006 J	0.0021	0.0016 J				18.3		
MW-20	9/28/09	**0.0086**	0.0034	0.0007 J	0.0008 J				16.5		
MW-20	4/6/10	0.0011	<0.0002	<0.0002	<0.0006						
MW-20	10/6/10	0.0022	<0.0002	<0.0002	<0.0006						
MW-20	4/19/11	<0.00020	0.0039	<0.00020	<0.00070	<0.020	<0.020		15.6		
MW-20	10/20/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		15.6		
MW-20	4/25/12	<0.00100	0.00452	<0.00100	<0.00100	<1.50	<1.50		16.5		
MW-20	11/9/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		13.3		
MW-20	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-20	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-20	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-20	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-20	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-20	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-20	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-20	4/7/20	0.00027 J	0.0012	0.00032 J	<0.00037	<0.023	<0.046	<0.15			
MW-20	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.124	0.124			
MW-20	11/10/21										Nry
MW-20	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	<0.0222	0.024	36.6		
MW-20	10/24/23	0.000103	0.00105	ND	ND	ND	ND	ND	17.2		
MW-21	10/23/03	<0.001	<0.001	<0.001	<0.001				40.8	455	
MW-21	8/12/04	<0.001	<0.001	<0.001	<0.001				31.9		
MW-21	2/18/05	<0.001	<0.001	<0.001	<0.001				35.4	405	
MW-21	12/21/05	***0.01***	<0.0007	0.002 J	0.002 J				43.7		
MW-21	4/12/06	***0.02***	0.010	0.004	0.004				22.0		
MW-21	10/12/06	***0.30***	0.140	0.026	0.029				38.7		
MW-21	4/30/07	<0.0002	<0.0002	<0.0002	<0.0006				20.3	306	
MW-21	10/23/07	<0.0002	<0.0002	<0.0002	<0.0006				20.6		
MW-21	5/19/08	0.0018	<0.0002	0.0006 J	<0.0006				26.8		
MW-21	10/20/08	**0.0098**	0.0027	0.0002 J	<0.0006				22.3		
MW-21	4/21/09	***0.031***	0.0009 J	0.0022	0.0018 J				19.1		
MW-21	9/28/09										Nry-- a sulm u a
MW-21	4/5/10										Nry-- a sulm u a
MW-21	10/6/10	0.0007 J	<0.0002	<0.0002	<0.0006						
MW-21	4/21/11	<0.00020	0.0023	<0.00020	<0.00070	<0.020	<0.020		37.7		
MW-21	10/18/11										Nry--Chamla la
MW-21	4/24/12	<0.00100	0.00424	<0.00100	<0.00100	<1.50	<1.50		69.4		
MW-21	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		63.8		
MW-21	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-21	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-21	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-21	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-21	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-21	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
MW-21	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-21	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	***252***	683	
MW-21	1/31/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	***263***	972	
MW-21	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50	240 B	***1100***	
MW-21	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.107	0.107			
MW-21	11/10/21	0.000222 J	<0.000412	<0.000160	<0.000510	--	--	--			
MW-21	6/30/22	0.000169	<0.000278	<0.000137	<0.000174	<0.0314	0.0618	0.142	92.4		
MW-21	10/24/23	0.00355	0.00103	0.000209	0.000186	0.342	0.0436	0.3856	54.2		
MW-22	10/23/07	0.0005 J	<0.0002	<0.0002	<0.0006				172		
MW-22	5/19/08	0.0008 J	<0.0002	0.0004 J	<0.0006				171		
MW-22	10/14/08	0.0021	0.003	0.0018	0.004				185		
MW-22	4/15/09	0.0003 J	<0.0002	<0.0002	<0.0006				*353*		
MW-22	9/28/09	0.0046	0.0023	0.0006 J	0.0007 J				249		
MW-22	4/5/10	0.0027	0.0002 J	<0.0002	<0.0006						
MW-22	10/5/10	***0.012***	<0.0002	<0.0002	0.0007 J						
MW-22	4/21/11	<0.00020	0.0028	<0.00020	<0.00070	<0.020	<0.020		***544***		
MW-22	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		***396***		
MW-22	4/25/12	<0.00100	0.00447	<0.00100	<0.00100	<1.50	<1.50		***401***		
MW-22	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		***263***		
MW-22	4/25/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		116		
MW-22	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-22	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		164		
MW-22	2/12/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50	242		
MW-22	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48	***350***		
MW-22	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-22	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-22	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-22	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	85.8	452	
MW-22	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	***253***	792	
MW-22	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50	***753***	***2420***	
MW-22	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50		836	
MW-22	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-22	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-22	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-22	4/8/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.043	<0.14			
MW-22	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.0958 J	0.0958 J			
MW-22	11/10/21	<0.000190	0.000833 B J	<0.000160	<0.000510	--	--	--			
MW-22	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.103	0.281	39.6		
MW-22	10/24/23	0.000142	0.000913	ND	ND	ND	0.279	0.279	48.7		
MW-23	10/23/07	0.0002 J	<0.0002	<0.0002	<0.0006				108		
MW-23	5/15/08	0.0041	<0.0002	0.0006 J	<0.0006				60.5		
MW-23	10/14/08	0.0027	0.0046	0.0009 J	0.0021 J				66.8		
MW-23	4/14/09	<0.0002	<0.0002	<0.0002	<0.0006				73.2		
MW-23	9/28/09	***0.011***	0.004	0.0009 J	0.001 J				107		
MW-23	4/5/10	<0.0002	0.0004 J	<0.0002	<0.0006						
MW-23	10/5/10	<0.0002	<0.0002	<0.0002	<0.0006						
MW-23	4/19/11	<0.00020	0.0034	<0.00020	<0.00070	<0.020	<0.020		75.5		
MW-23	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		110		
MW-23	4/25/12	<0.00100	0.00380	<0.00100	<0.00100	<1.50	<1.50		130		
MW-23	11/8/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		151		
MW-23	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-23	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	2/12/14	0.01970	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-23	2/25/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-23	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-23	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-23	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	2/1/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-23	12/19/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		***0.005***	***0.1 mg/L***	***0.7 mg/L***	***0.62 mg/L***	---	---	---	***250 mg/L***	***1,000 mg/L***	
MW-23	4/10/20	0.00033 J	<0.00020	<0.00021	<0.00037	<0.023	0.047	<0.16			
MW-23											Nry-U b a ua a ua
MW-23											Nry-U b a ua a ua
MW-23											Nry-U b a ua a ua
MW-23	10/24/23										Unable to Locate
MW-24	10/22/07	0.0026	<0.0002	<0.0002	<0.0006				80.4		
MW-24	5/15/08	**0.023**	<0.0002	0.0007 J	<0.0006				28.8		
MW-24	10/15/08	**0.002**	0.0003 J	<0.0002	<0.003				33.4		
MW-24	4/16/09	***0.079***	0.0009 J	0.0028	0.0022 J				30		
MW-24	9/28/09	**0.0067**	0.0024	0.0006 J	0.0007 J				28.5		
MW-24	4/6/10	***0.590***	0.028	0.037	0.022						
MW-24	10/6/10	0.0030	<0.0002	<0.0002	<0.0006						
MW-24	4/20/11	<0.00020	0.0024	<0.00020	<0.00070	<0.020	<0.020		61.6		
MW-24	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		59.5		
MW-24	4/25/12	<0.00100	0.00302	<0.00100	<0.00100	<1.50	<1.50		87.4		
MW-24	11/9/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		89.6		
MW-24	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
MW-24	10/23/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	2/13/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	10/29/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
MW-24	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
MW-24	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-24	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-24	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	4/4/18	0.00289	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-24	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-24	4/7/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.046	<0.15			
MW-24	6/8/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.117	0.117			
MW-24	11/10/21										Nry
MW-24	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.129	0.182			
MW-24	10/24/23	0.000112	ND	ND	ND	0.0443	0.0672	0.2154	190		
MW-25	6/4/15	<0.00100	<0.00200	<0.00100	<0.00100	--	--	<0			
MW-25	10/28/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-25	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-25	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	1/30/19	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-25	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-25	4/7/20	<0.00018	0.00028 J	0.00021 J	<0.00037	<0.023	<0.045	<0.15			
MW-25	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.0851 J	0.0851 J			
MW-25	11/10/21										Nry
MW-25	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.035	0.085	84.8		
MW-25	10/24/23	--	--	--	--	--	--	--	--		
MW-26	6/4/15	***0.11200***	<0.00200	<0.00149	<0.00900	--	--	<0			
MW-26	10/29/15	***0.03420***	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-26	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
MW-26	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	3/2/17	***0.01580***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	8/30/17	0.00639	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	4/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	1/30/19	0.00112	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
MW-26	12/17/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
MW-26	4/9/20	0.00045 J	<0.00020	<0.00021	<0.00037	<0.023	<0.048	<0.16			
MW-26	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	<0.0314	0.0558 J	0.0558 J			
MW-26	11/10/21										Nry
MW-26	6/30/22	0.000268	<0.000278	<0.000137	<0.000174	<0.0314	0.0723	<0.0118	60.6		
MW-26	10/24/23	0.000155	0.00115	ND	ND	ND	ND	ND	74.3		
EW-1	10/4/10										Nry--LN PL
EW-1	4/18/11										Nry--LN PL

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
EW-1	10/18/11										Nry--LN PL
EW-1	4/23/12										Nry--LN PL
EW-1	11/5/12										Nry--LN PL
EW-1	4/23/13										Nry--LN PL
EW-1	10/22/13										Nry--LN PL
EW-1	2/11/14										Nry--LN PL
EW-1	10/27/14										Nry--LN PL
EW-1	2/24/15										Nry--LN PL
EW-1	10/26/15										Nry--LN PL
EW-1	2/29/16										Nry--LN PL
EW-1	8/23/16	***0.451***	0.0108	0.0342	0.0694	2.29	2.11	4.40			
EW-1	3/3/17	***0.379***	0.00957	0.0202	0.0384	3.93	2.98	6.91			
EW-1	8/30/17										Nry--LN PL
EW-1	4/3/18										Nry--LN PL
EW-1	8/27/18										Nry--LN PL
EW-1	1/29/19										Nry--LN PL
EW-1	12/19/19										Nry--LN PL
EW-1	4/7/20										Nry--LN PL
EW-1	6/8/21										Nry--LN PL
EW-1	11/10/21										Nry--LN PL
EW-1	06/30/22										Nry--LN PL
EW-1	10/24/23										Nry--LN PL
TW-11	4/5/10	<0.00020	<0.0002	<0.0002	<0.0006						
TW-11	10/5/10	<0.00020	<0.0002	<0.0002	<0.0006						
TW-11	4/19/11	<0.00020	0.0035	<0.00020	<0.00070	<0.020	<0.020		90.1		
TW-11	10/19/11	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		28.7		
TW-11	4/26/12	<0.00100	0.00296	<0.00100	<0.00100	<1.50	<1.50		30.4		
TW-11	11/6/2012	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		28.1		
TW-11	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-11	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	2/11/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
TW-11	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-11	10/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-11	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-11	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-11	1/31/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
TW-11	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
TW-11	4/7/20	<0.00018	<0.00020	<0.00021	<0.00037	<0.023	<0.047	0.27			
TW-11	6/8/21	0.000231 J	<0.000412	<0.000160	<0.000510	<0.0314	0.0653 J	0.0623 J			
TW-11	11/10/21	<0.000190	0.000650 B J	<0.000160	<0.000510	--	--	--			
TW-11	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.100	0.185	142		
TW-11	10/24/23	0.000148	0.000888	ND	ND	ND	ND	ND	99.4		
TW-13	4/5/10	<0.0002	<0.0002	<0.0002	<0.0006						
TW-13	10/4/10	<0.0002	<0.0002	<0.0002	<0.0006						
TW-13	4/19/11	<0.00020	0.0036	<0.00020	<0.00070	<0.020	<0.020		94.8		
TW-13	10/18/11	***0.0311***	<0.00200	<0.00100	<0.00100	<1.50	1.69		90.2		
TW-13	4/26/12	<0.00100	0.00339	<0.00100	<0.00100	<1.50	<1.50		83.0		
TW-13	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		64.8		
TW-13	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-13	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-13	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-13	10/27/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW-13	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-13	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	8/31/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	4/4/18	0.00292	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-13	1/29/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
TW-13	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			

APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL
RESULTS BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
TW-13	4/9/20	<0.00018	<0.00020	<0.00021	<0.00037	0.026 J	<0.047	<0.16			
TW-13	6/9/21	<0.000190	<0.000412	<0.000160	<0.000510	0.0367 B J	0.181	0.218			
TW-13	11/10/21	0.000368 J	0.000502 B J	<0.000160	<0.000510	--	--	--			
TW-13	6/30/22	<0.0000941	<0.000278	<0.000137	<0.000174	<0.0314	0.132	0.19	102		
TW-13	10/24/23	0.000146	0.000771	ND	ND	ND	0.0943	0.1247	162		
TW-20	11/6/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50		53.5		
TW-20	4/24/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
TW-20	10/22/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-20	3/2/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
TW-20	10/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.40	<1.40	<1.40			
TW-20	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
TW-20	8/25/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	2/28/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	4/3/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	8/28/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
TW-20	12/18/19	<0.00018	<0.00020	<0.00021	<0.00037	<1.50	<1.50	<1.50			
Dmp-1 (MW-24)	4/16/09	***0.077***	0.0009 J	0.0028	0.0022 J				29.7		
Dmp-2 (MW-3)	4/16/09	***0.46***	0.067	0.011	0.019				51.5		
Dmp-100 (MW-18)	9/30/09	**0.0096**	0.0030	0.0007 J	0.0008 J				97.6		
Dmp-200 (MW-4)	9/30/09	***17.00***	0.110	0.310	0.140 J				56.7		
Dmp-100 (MW-12)	4/6/10	0.0005 J	<0.0002	<0.0002	<0.0006						
Dmp-101 (MW-4)	4/6/10	***25.0***	0.500	0.460	0.220 J						
Dmp-1 (MW-20)	10/6/10	0.0023	<0.0002	<0.0002	<0.0006						
Dmp-2 (MW-1)	10/7/10	***3.4***	0.0032 J	0.0011 J	<0.0030						
DUP1 (MW-12)	4/19/11	<0.00020	0.0042	<0.00020	<0.00070	<0.020	<0.020		43.1		
DUP2 (MW-10)	4/20/11	<0.00020	0.0021	<0.00020	<0.00070	<0.020	<0.020		43.3		
Dmp-1 (MW-16)	10/18/11	0.00105	<0.00200	<0.00100	<0.00100	<1.50	1.85		56.3		
Dmp-2 (MW-4)	10/20/11	***21.8***	<0.0500	0.0750	0.0560	20.2	2.16		77.3		
Tl p B k	10/18/11	<0.00100	<0.00200	<0.00100	<0.00100						
Dmp-04 (MW-20)	4/25/12	<0.00100	0.00445	<0.00100	<0.00100	<1.50	<1.50		16.5		
Tl p B k	4/25/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dmp-2 (MW-4)	4/26/12	***17.0***	<0.00100	<0.250	<0.250	15.7			77.0		
Dmp1 (TW-20)	11/6/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dmp2 (TW-13)	11/7/12	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Tl p B k	11/9/12	<0.00100	<0.00200	<0.00100	<0.00100						
Dmp-1 (MW-10)											
Dmp-2 (MW-1)											
Dmp-1	4/24/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dmp-2	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Dmp03	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50				
Tl p B k	4/25/2013	<0.00100	<0.00200	<0.00100	<0.00100						
Dmp1 (MW-10)	10/23/13	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp2 (MW-1)	10/24/13	***6.10***	<0.0400	<0.0200	0.0366	6.38	<1.50	6.38			
Tl p B k	10/24/13	<0.00100	<0.00200	<0.00100	<0.00100						
Dmp1 (MW-13)	2/10/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp2 (MW-5)	2/12/14	***0.05590***	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp3 (MW-17)	2/14/14	***18.8***	<0.10000	<0.05000	<0.05000	21.6	<1.50	21.6			
Tl p B k	2/14/14	<0.00100	<0.00200	<0.00100	<0.00100						
Dmp1 (MW-18)	10/28/14	<0.00100	<0.00200	<0.00100	<0.00100	<1.48	<1.48	<1.48			
Dmp2 (MW-17)	10/30/14	***23.4***	<0.200	<0.100	<0.100	28.1	<1.48	28.1			
Dmp1 (MW-16)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp2 (MW-7)	2/26/15	<0.00100	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp3 (MW-2)	3/3/15	***0.0922***	<0.00200	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp2 (MW-7)	2/26/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp1 (MW-16)	2/26/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.50	<1.50	<1.50			
Dmp-1 (MW-16)	10/27/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dmp-1 (MW-16)	10/27/15	<0.00100	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
DUP-2 (MW-26)	10/29/15	***0.0397***	<0.0020	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dmp-1 (MW-23)	3/1/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dmp-2 (MW-26)	3/2/16	<0.00100	<0.00200	<0.00100	<0.00100	<1.41	<1.41	<1.41			
Dmp-3 (MW-1)	3/3/16	***1.23***	<0.0400	<0.0200	<0.0200	2.25	<1.41	2.25			
Dmp-1 (MW-23)	8/24/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			

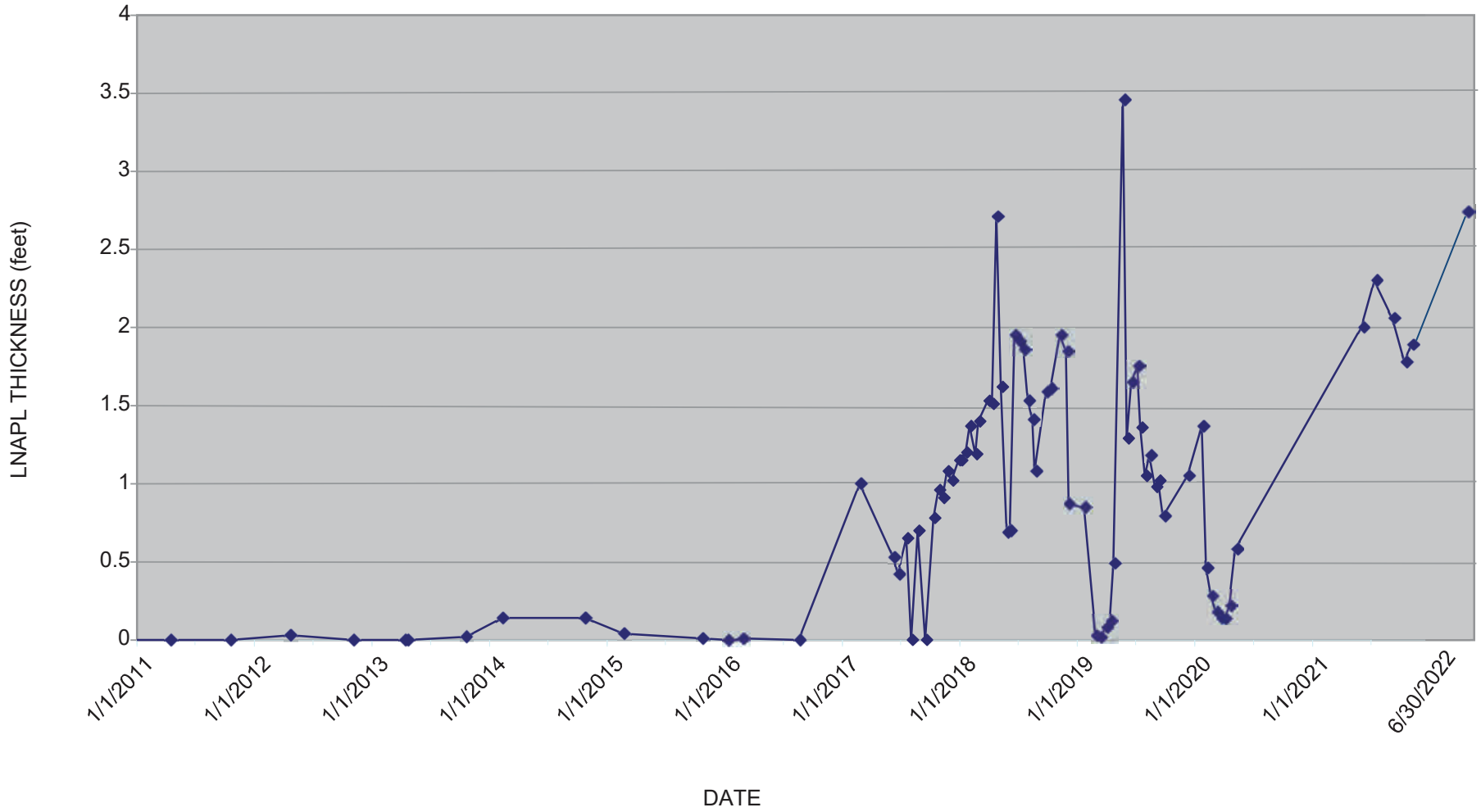
APPENDIX F
SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS BUCKEYE COMPRESSOR STATION
LEA COUNTY, NEW MEXICO

Well ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH GRO	TPH DRO	TPH C_6-C_{36}	Chloride	TDS	Notes
NMWQCC Standards		*0.005*	*0.1 mg/L*	*0.7 mg/L*	*0.62 mg/L*	---	---	---	*250 mg/L*	*1,000 mg/L*	
Dmp-2 (MW-20)	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp-3 (MW-25)	8/26/16	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp-1 (MW-23)	3/2/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp-2 (MW-24)	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp-3 (MW-12)	3/3/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-5)	8/31/17	***0.0993***	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-6)	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (TW-20)	8/29/17	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-15)	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-25)	4/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-7)	4/6/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-7)	8/29/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-15)	9/4/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-24)	9/5/18	<0.00200	<0.00200	<0.00200	<0.00200	<1.50	<1.50	<1.50			
Dmp (MW-4)	12/19/19	***12.0***	<0.0040	0.044	0.030 J	33.00	0.19 J H	<0.26			
Dmp (MW-14)	1/30/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dmp (MW-23)	2/1/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dmp (TW-20)	1/31/19	0.002	0.002	0.002	0.002	<1.50	<1.50	<1.50			
Dmp (MW-4)	4/9/20	**3.2**	0.0045 J	0.016	<0.020	**12.00**	0.055 J	<0.16			
Dmp (MW-1)	6/9/21	**0.0763**	<0.000412	<0.000160	<0.000510	**0.236 B**	0.995	1.231 B			
Dmp 1 (MW-17)	11/10/21	**5.12**	0.000961 B J	0.00141	0.00125 B J	--	--	--			

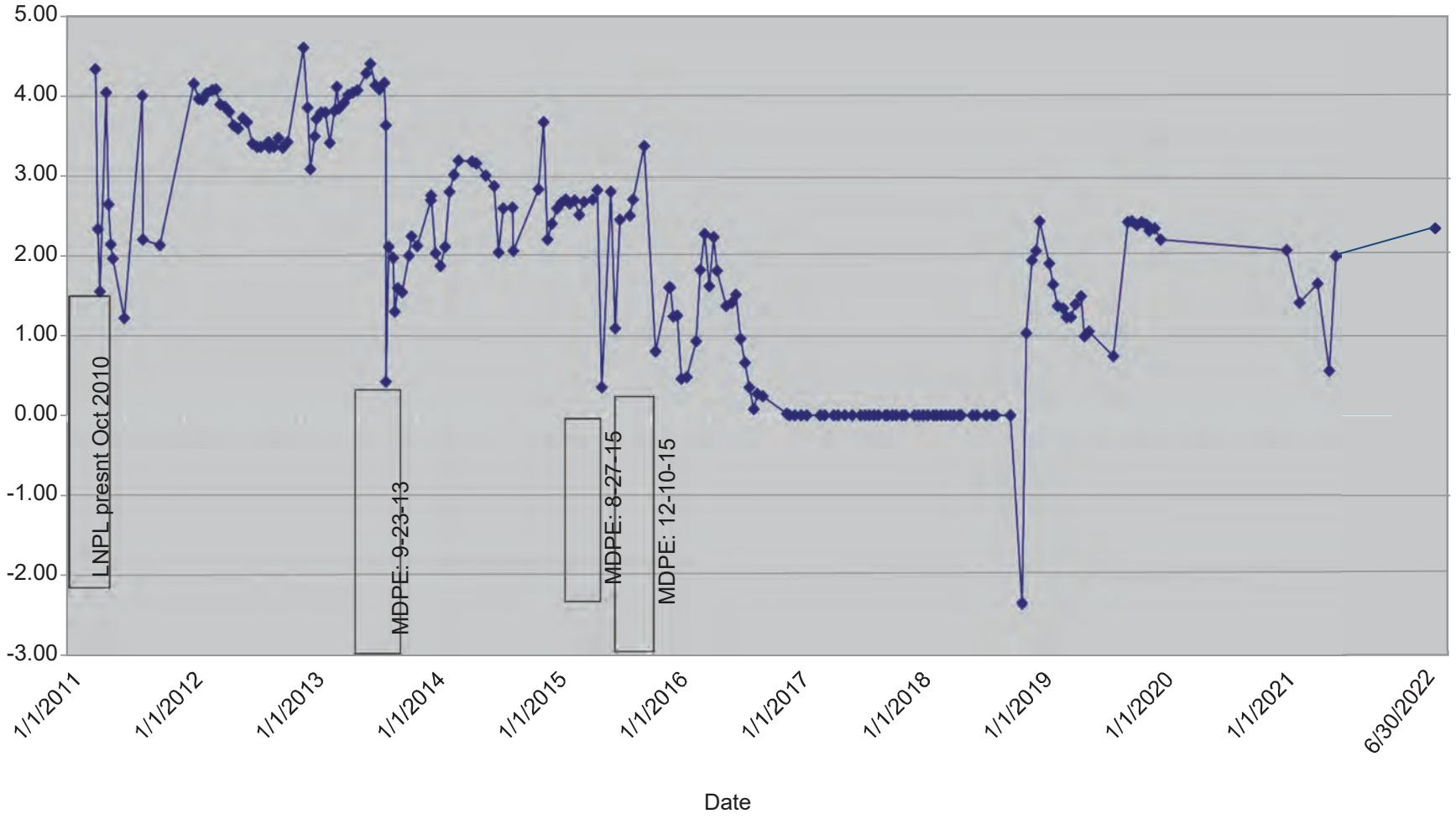
Appendix G

Charts of LNAPL Thickness Trends

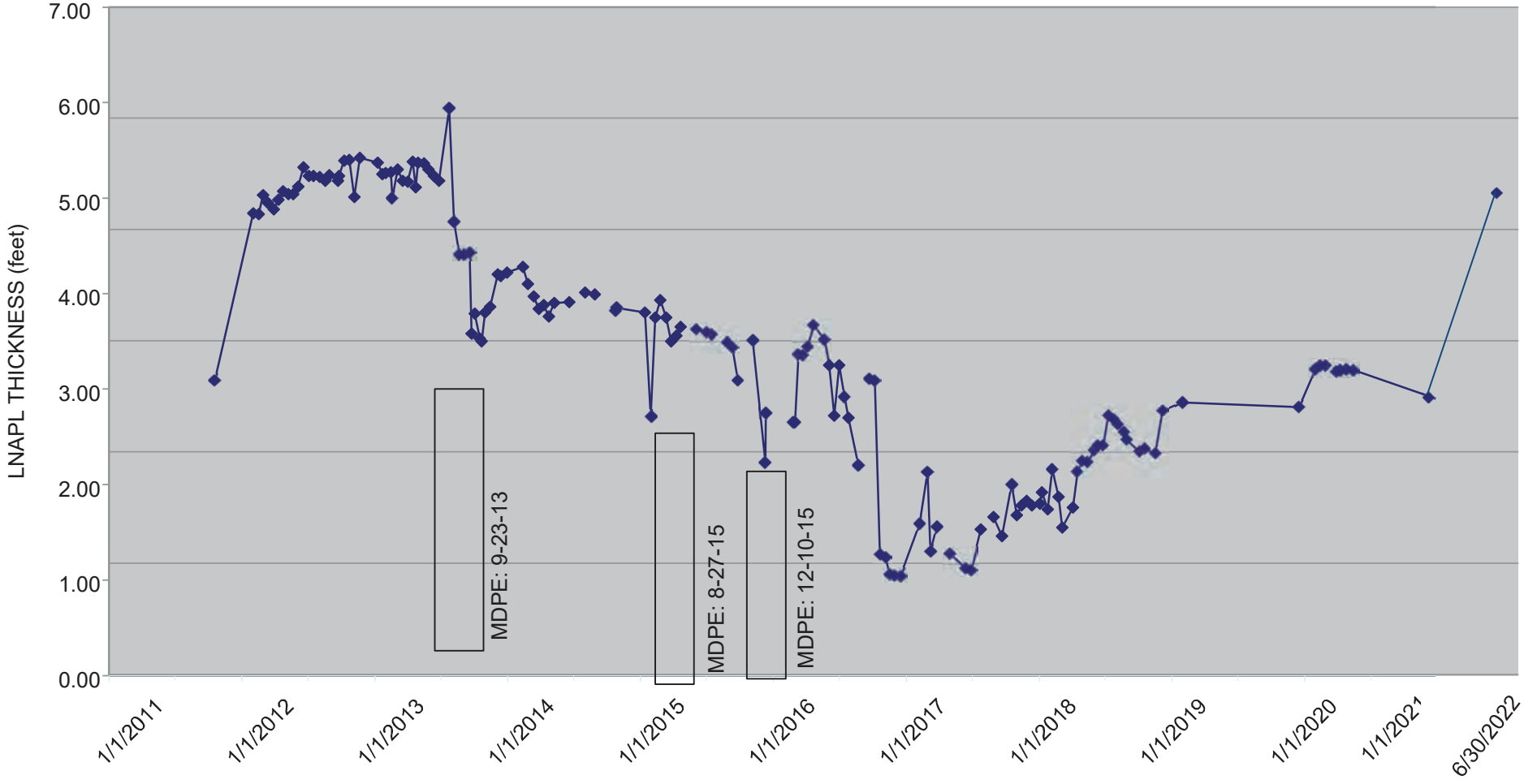
Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)
MW-3



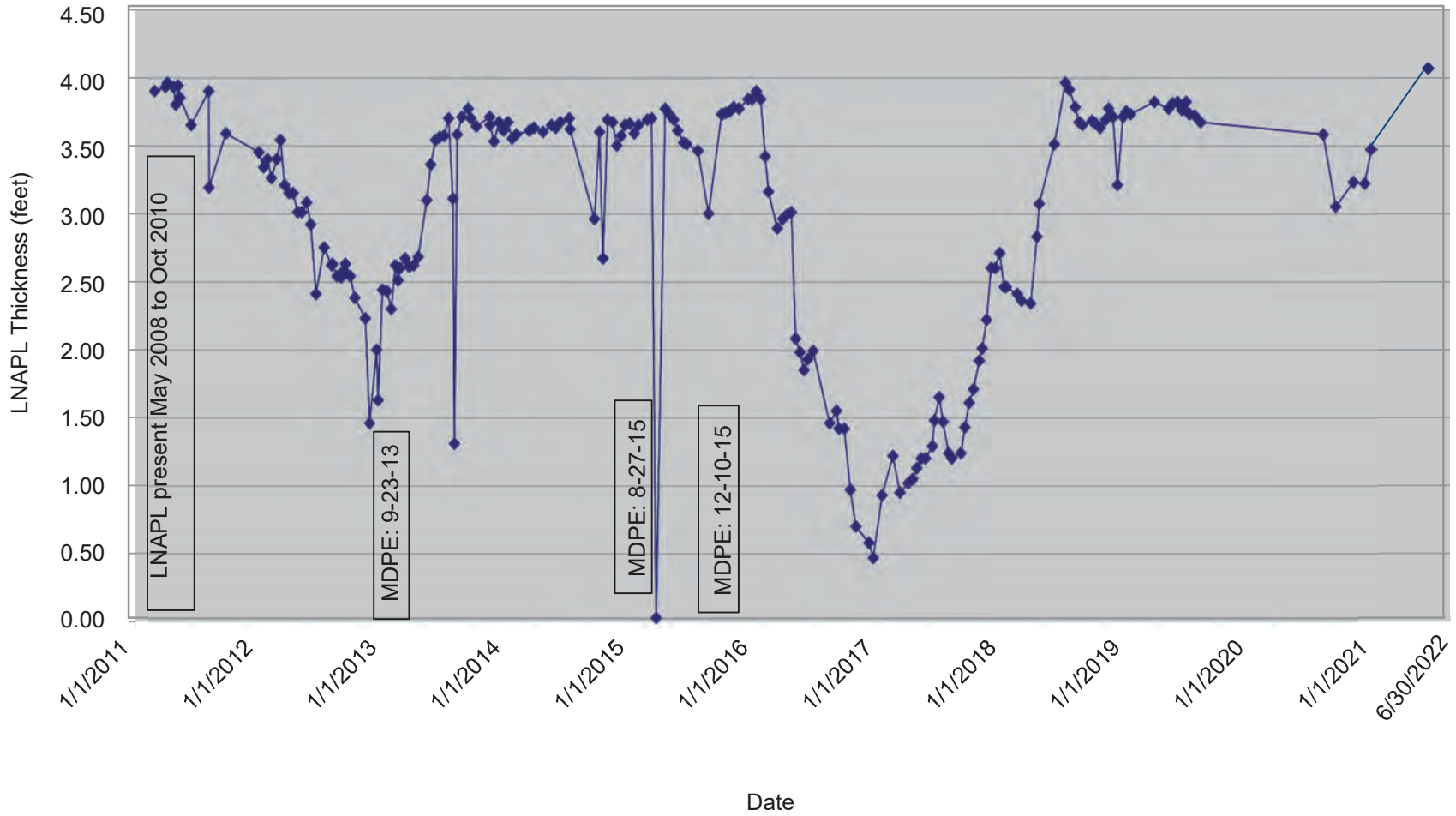
Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)
MW-8



Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)
MW-9

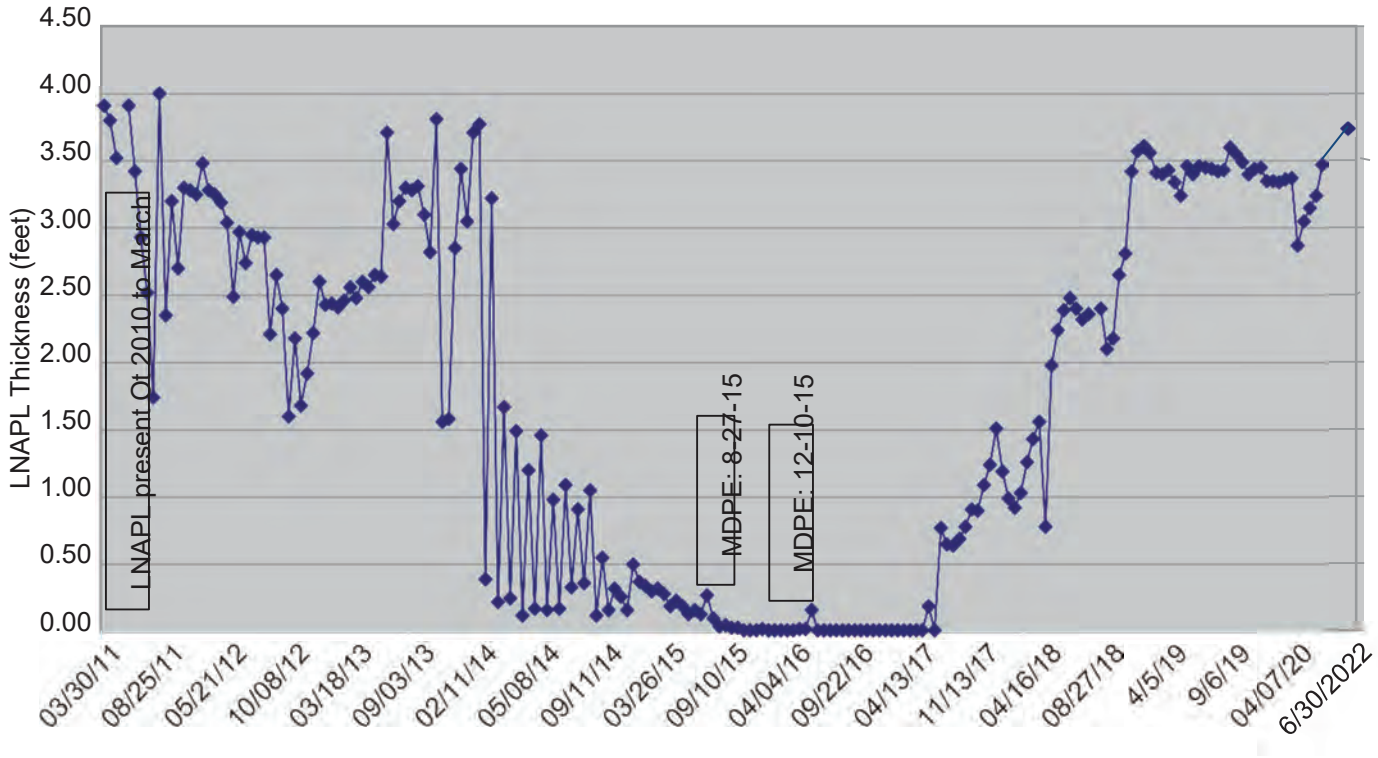


Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)
MW-19



Buckeye Compressor Station
Lea County, NM
Thickness of Light Non-Aqueous Phase Liquid (LNAPL)

EW-1

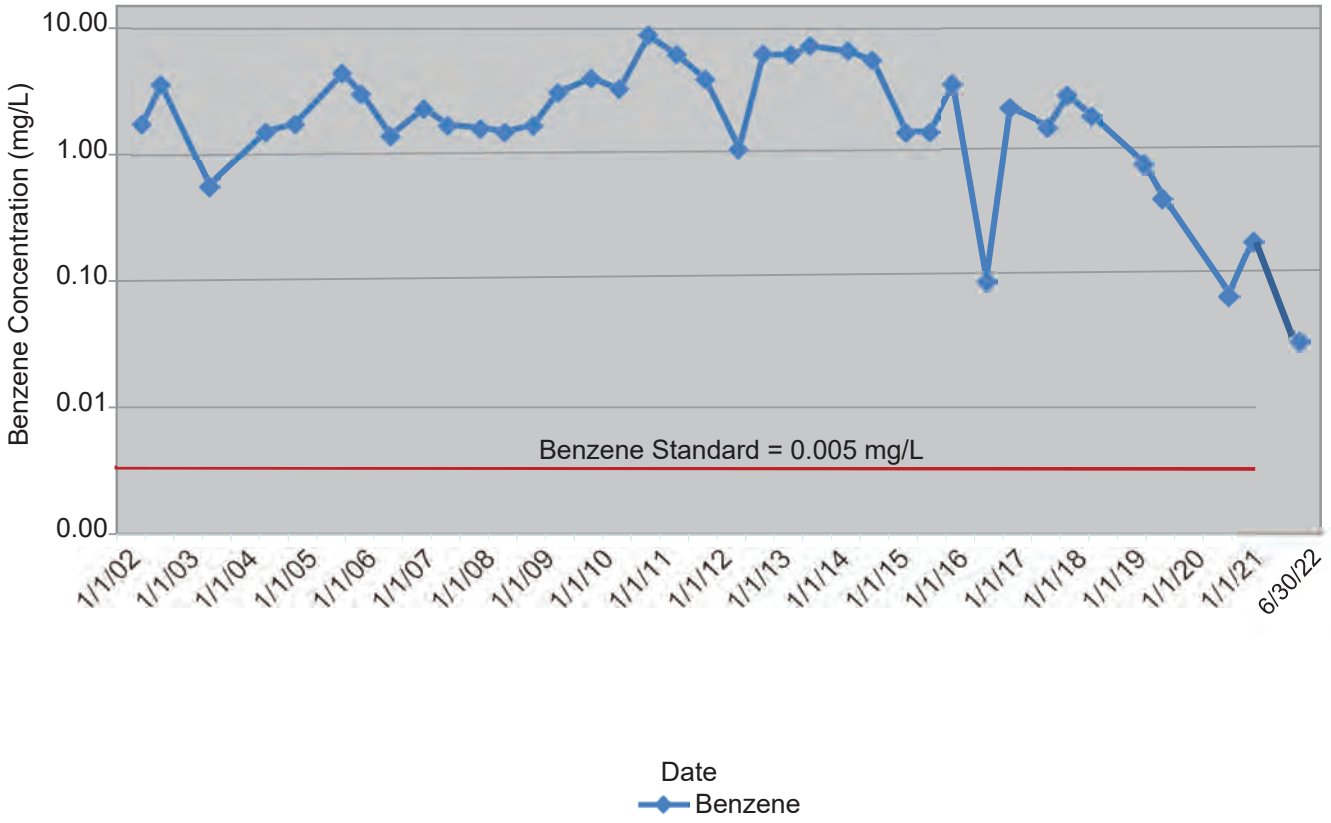


Date

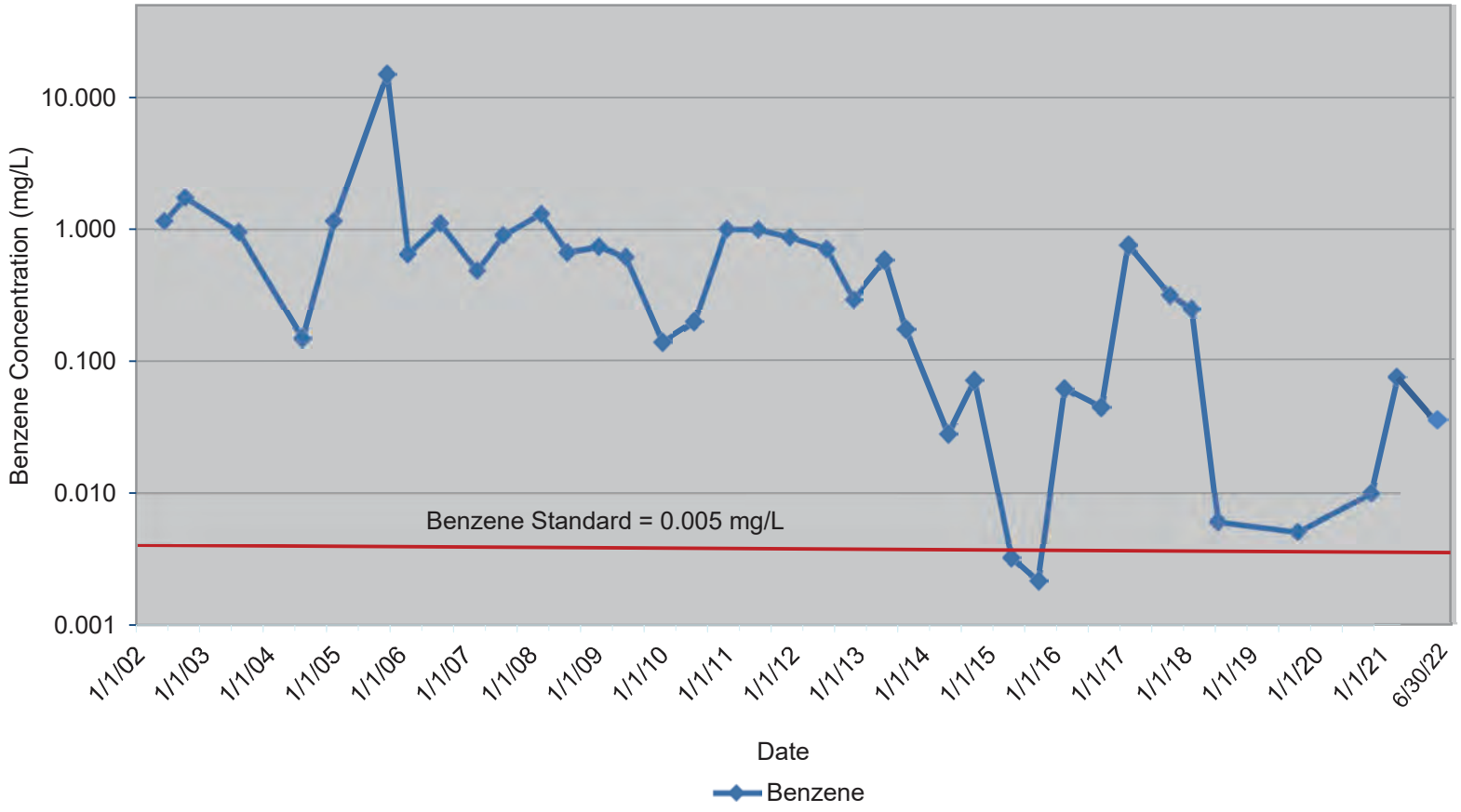
Appendix H

Charts of Chemical Concentration Trends

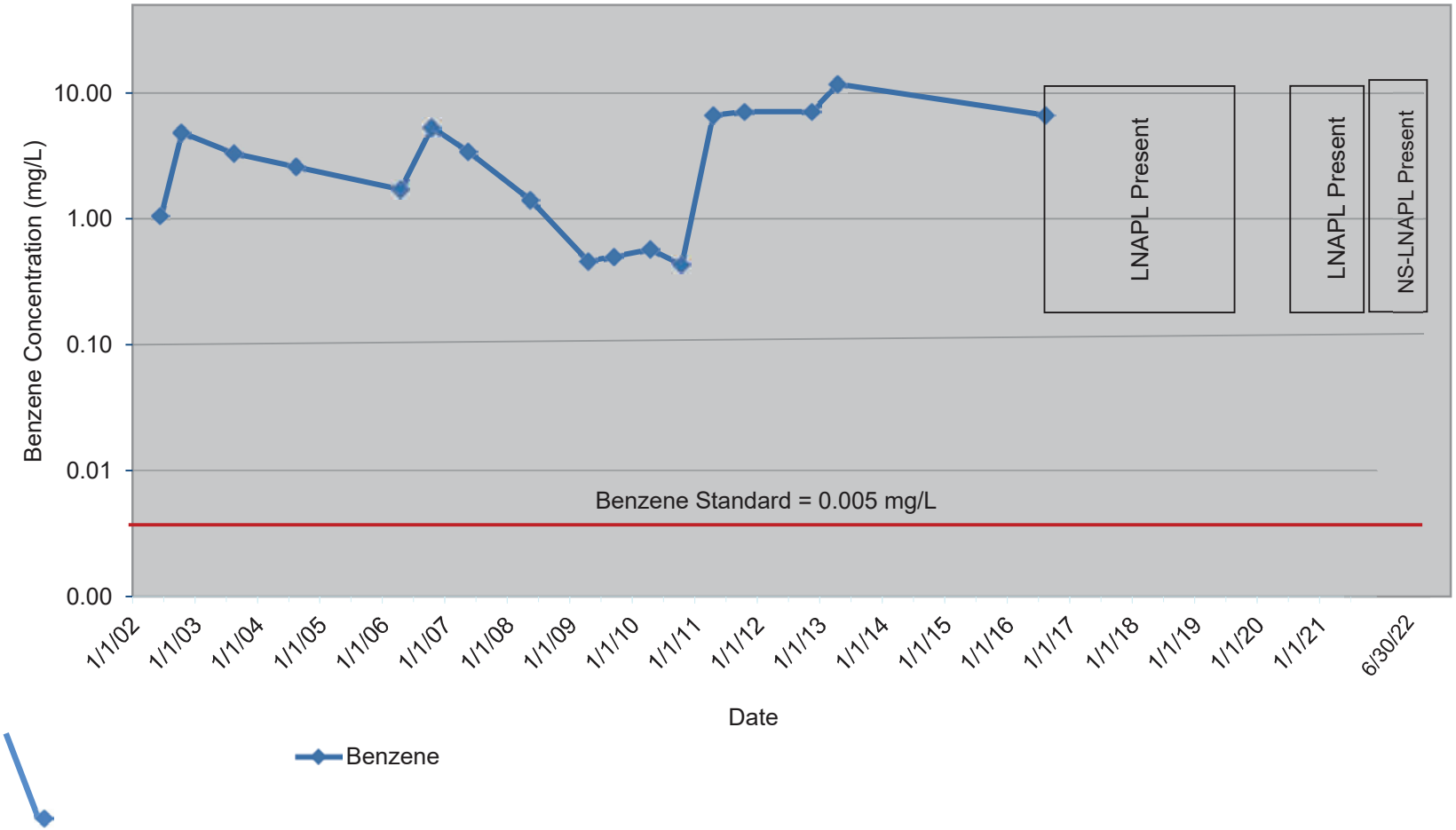
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-1



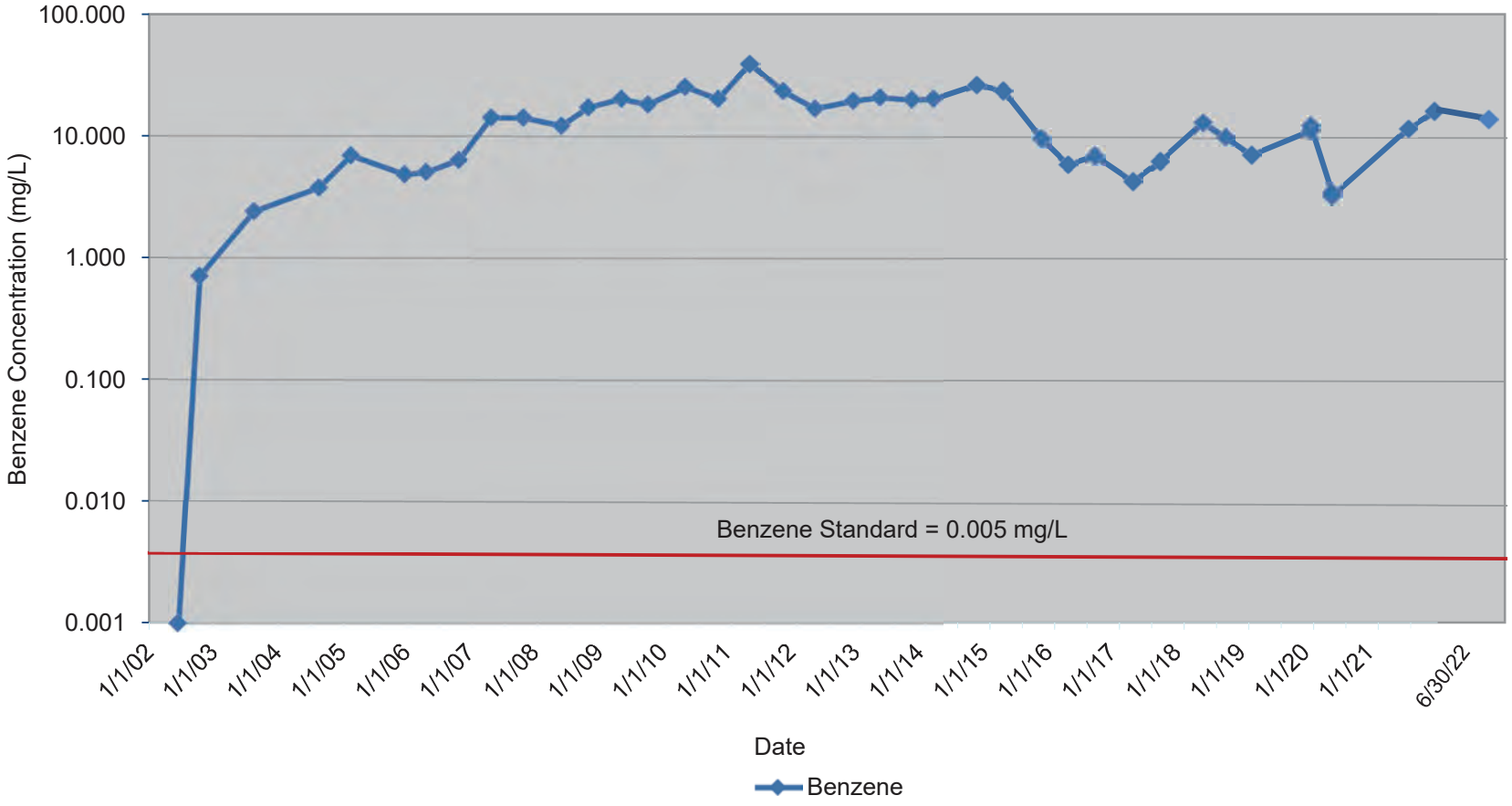
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-2



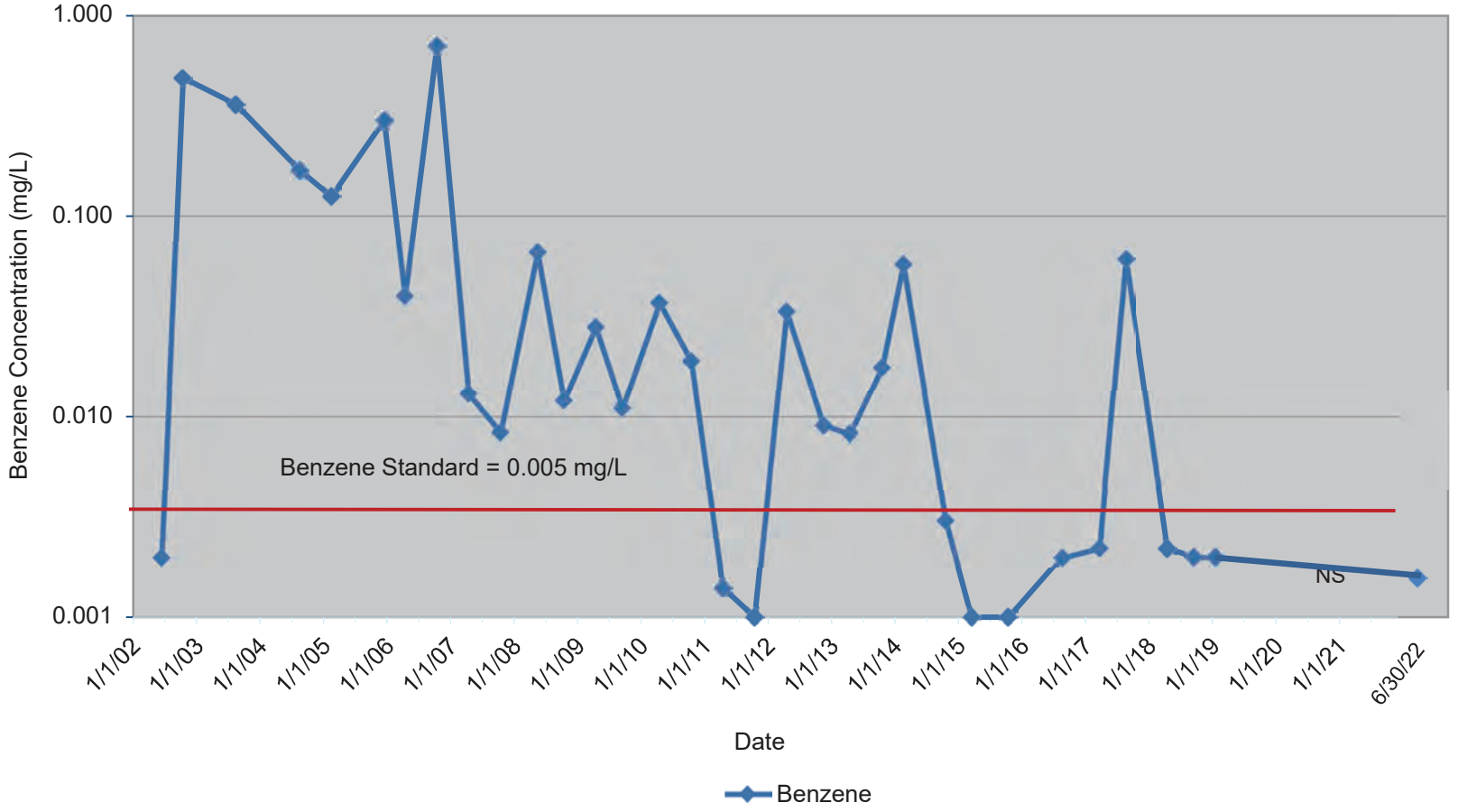
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-3



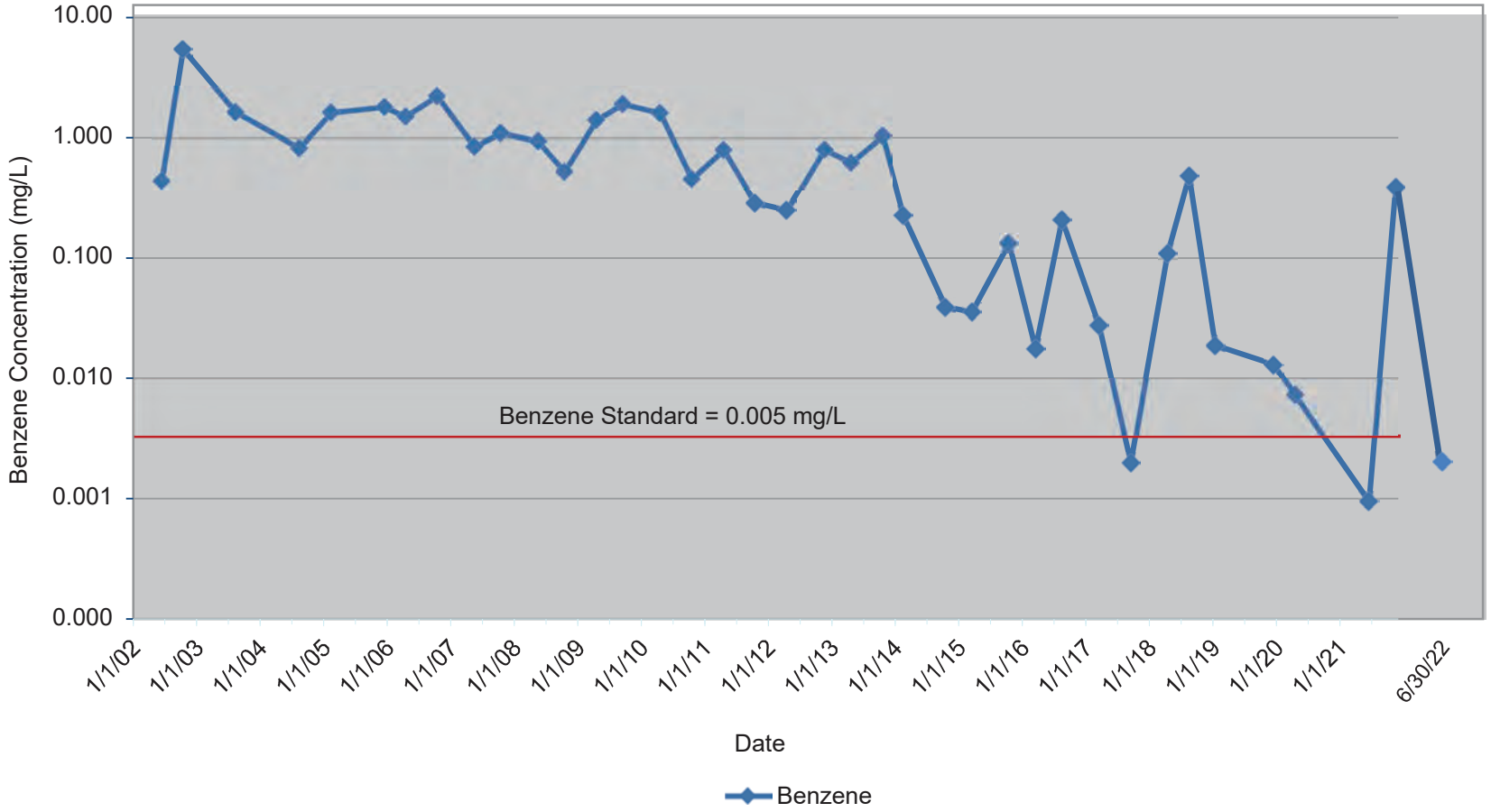
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-4



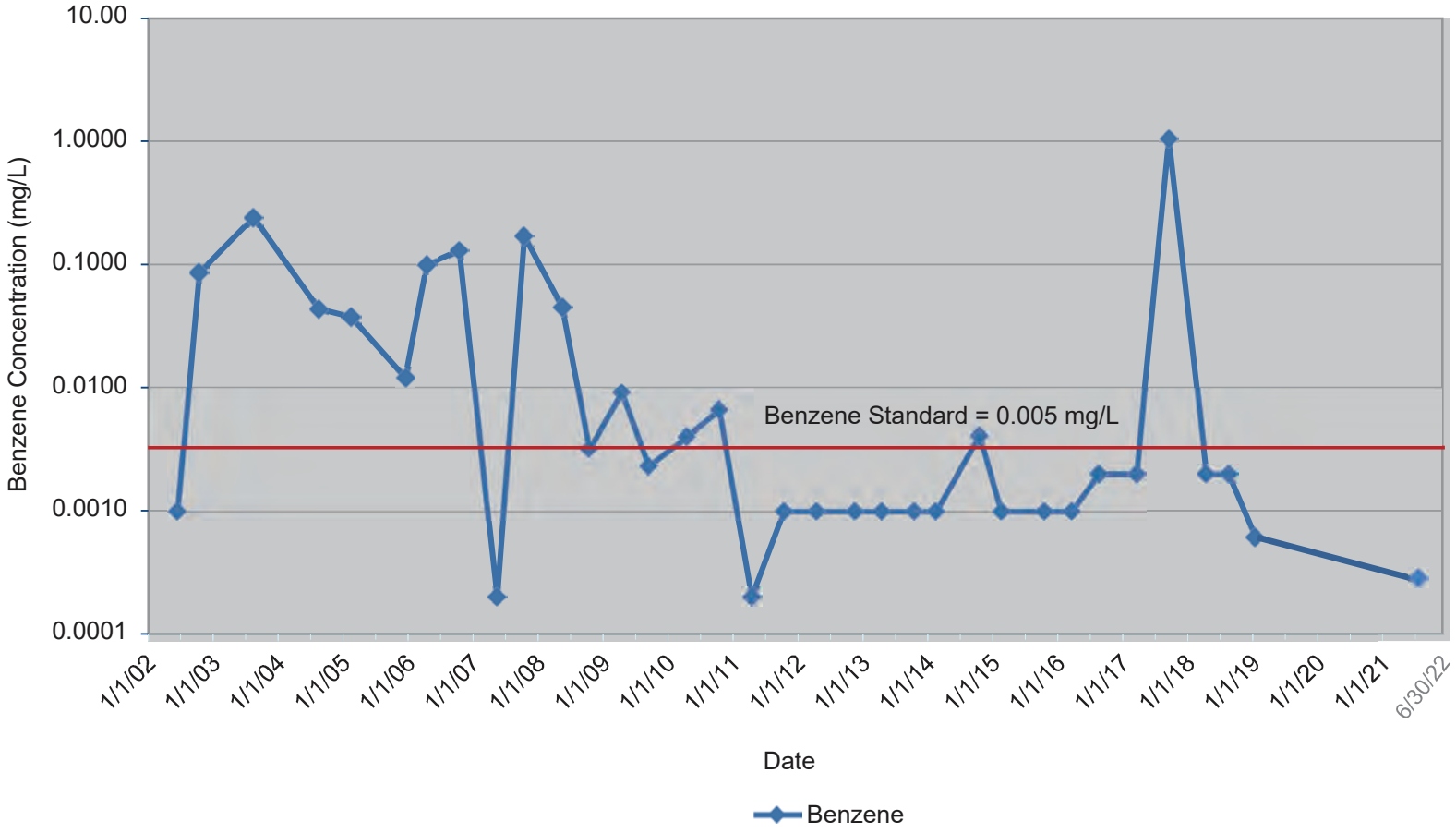
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-5



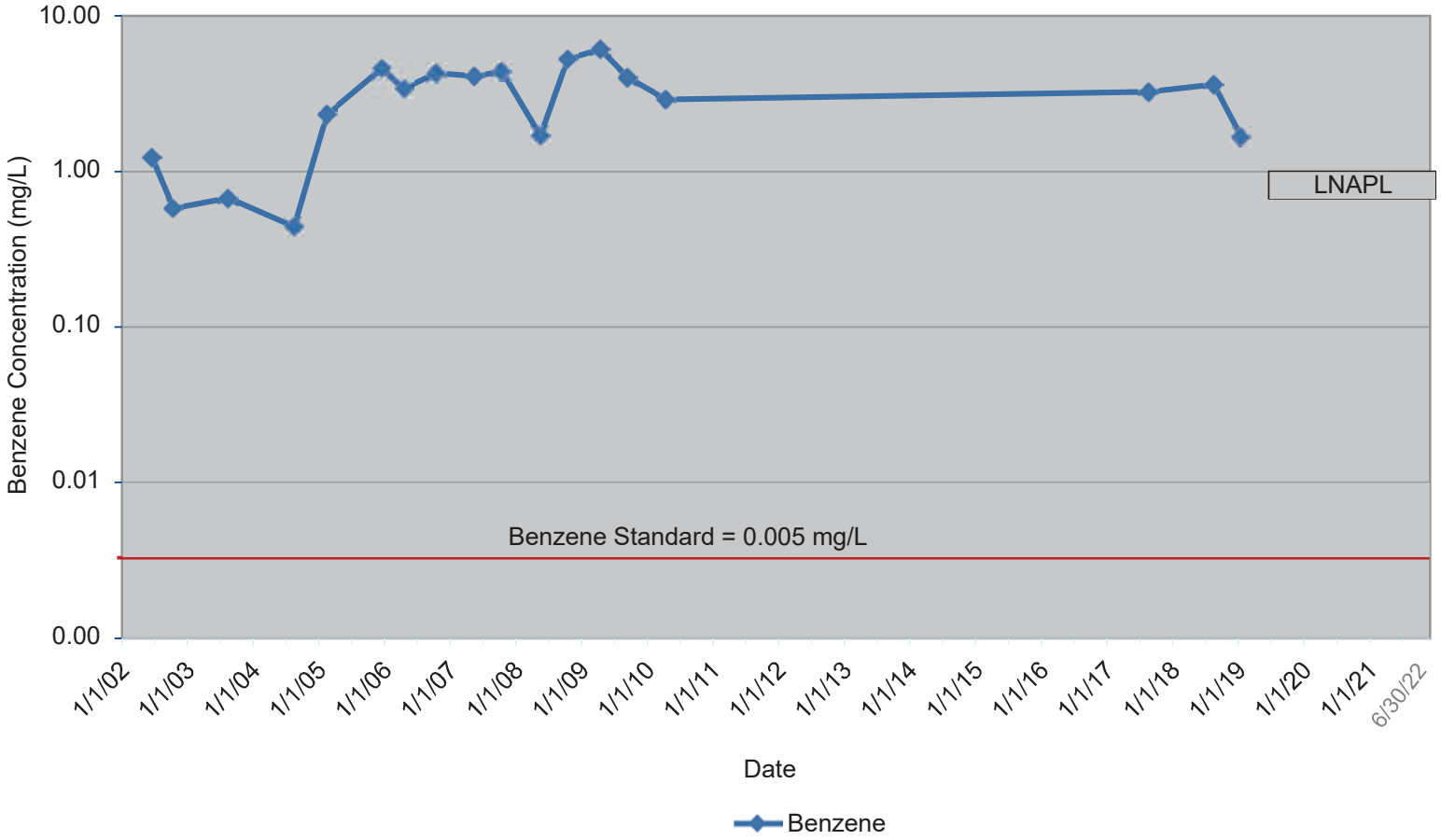
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-6



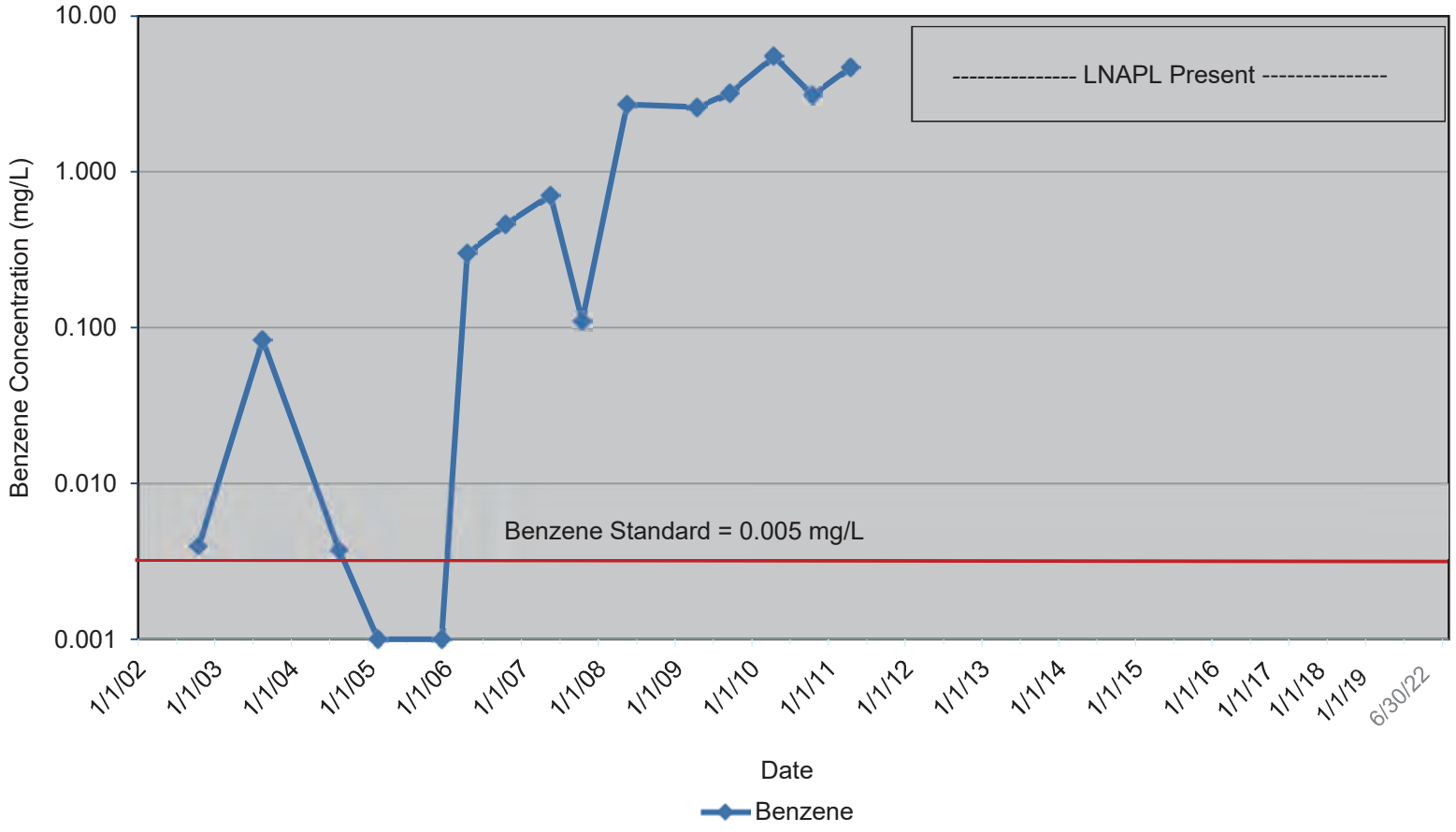
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-7



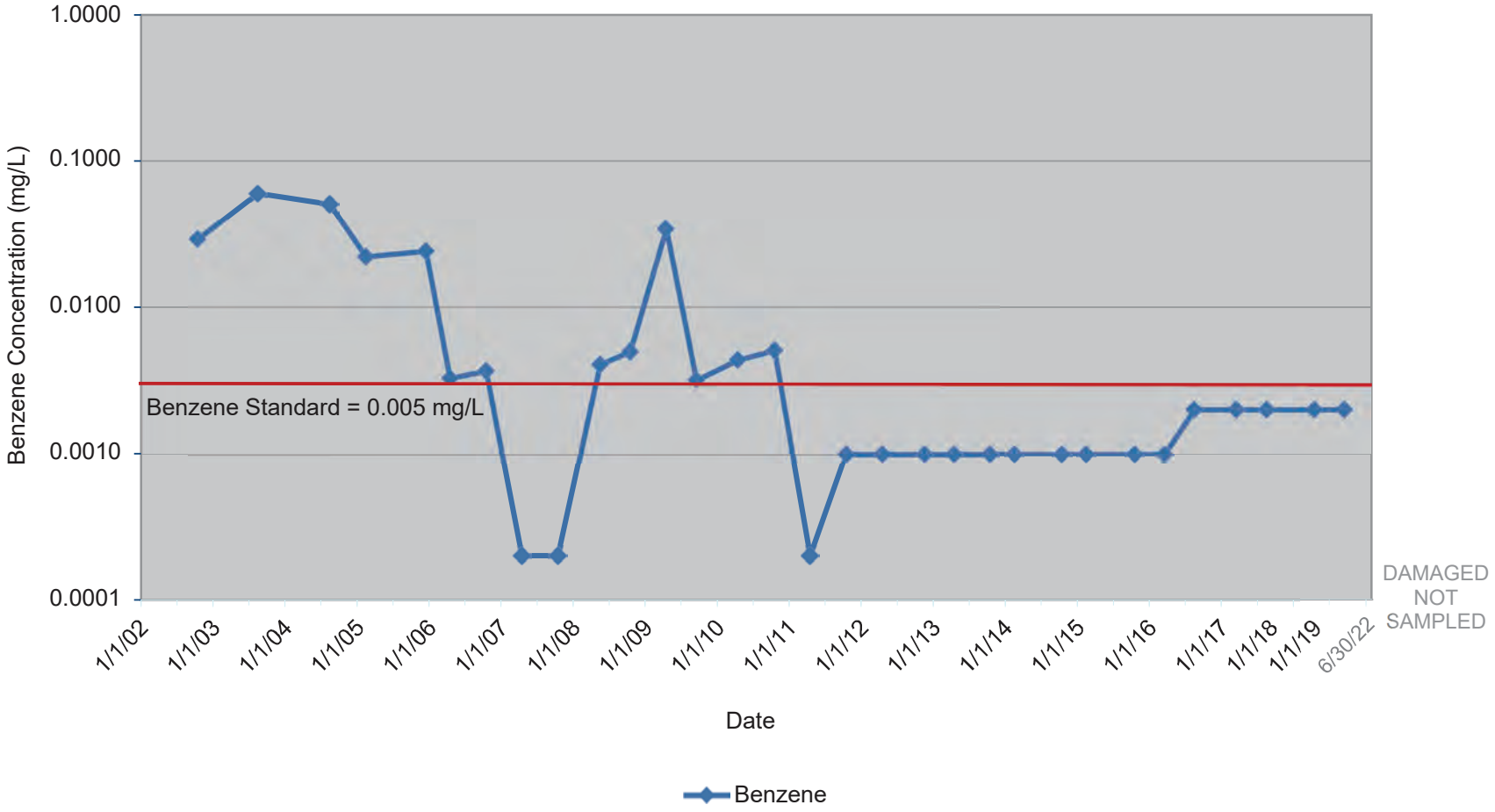
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-8



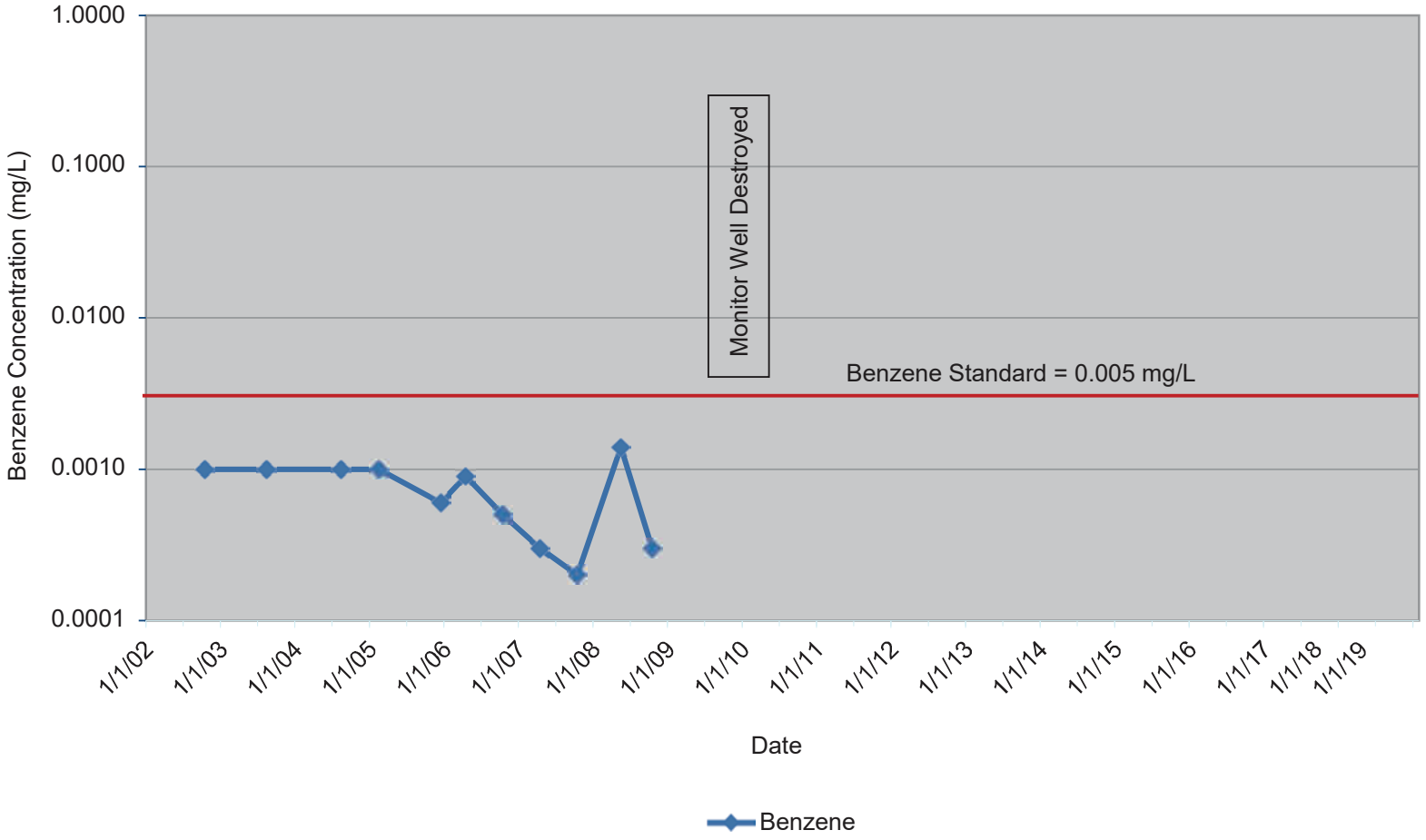
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-9



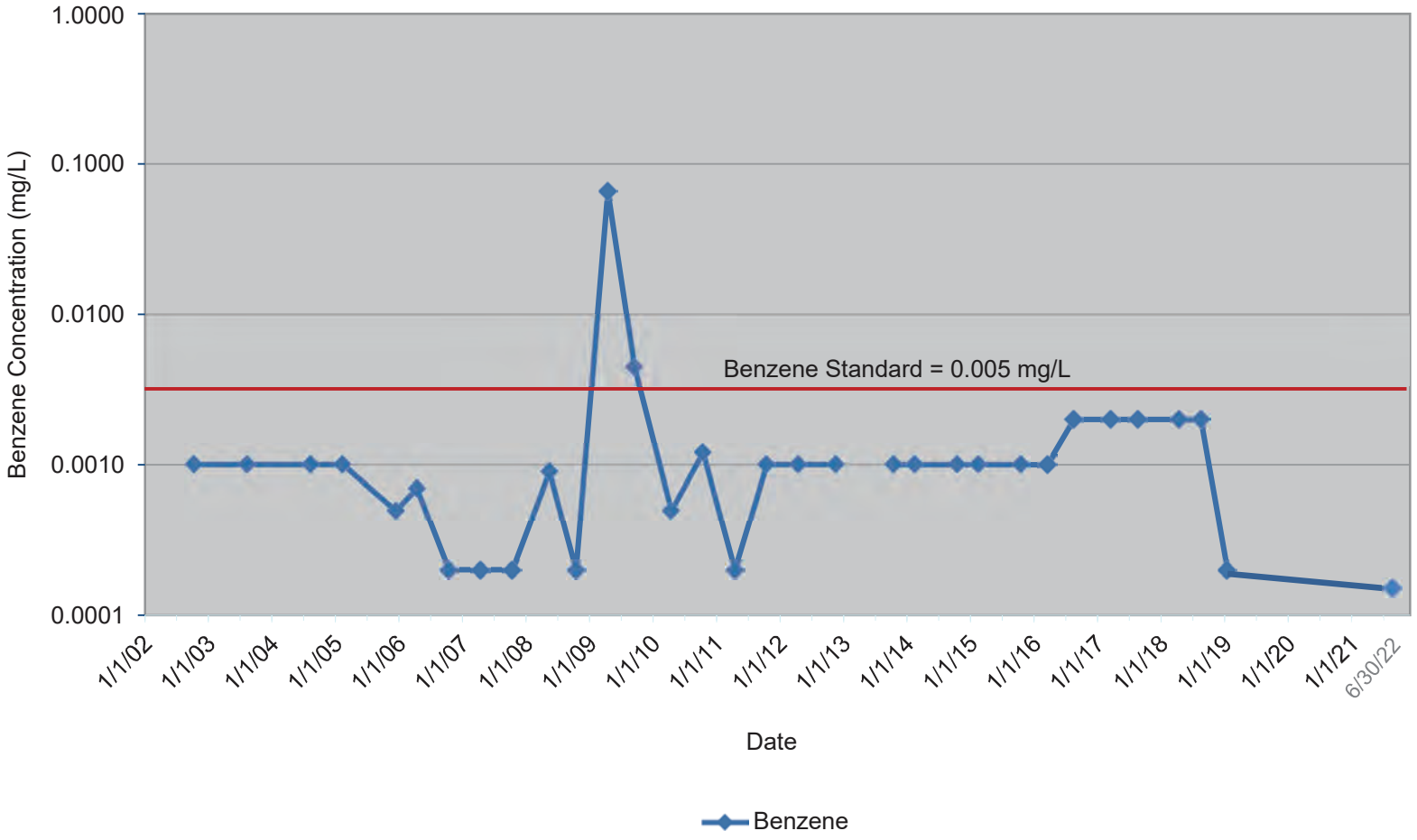
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-10



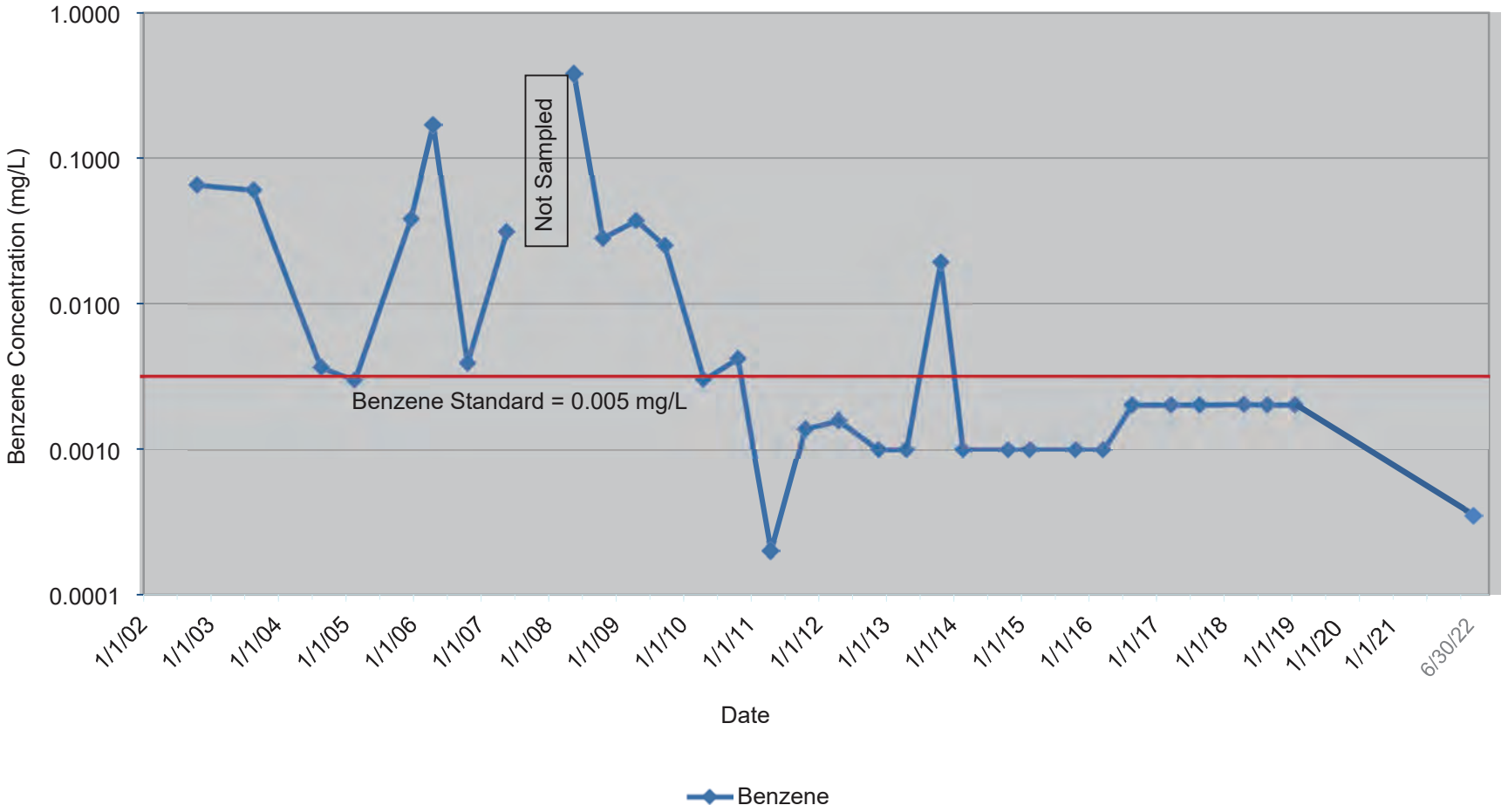
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-11



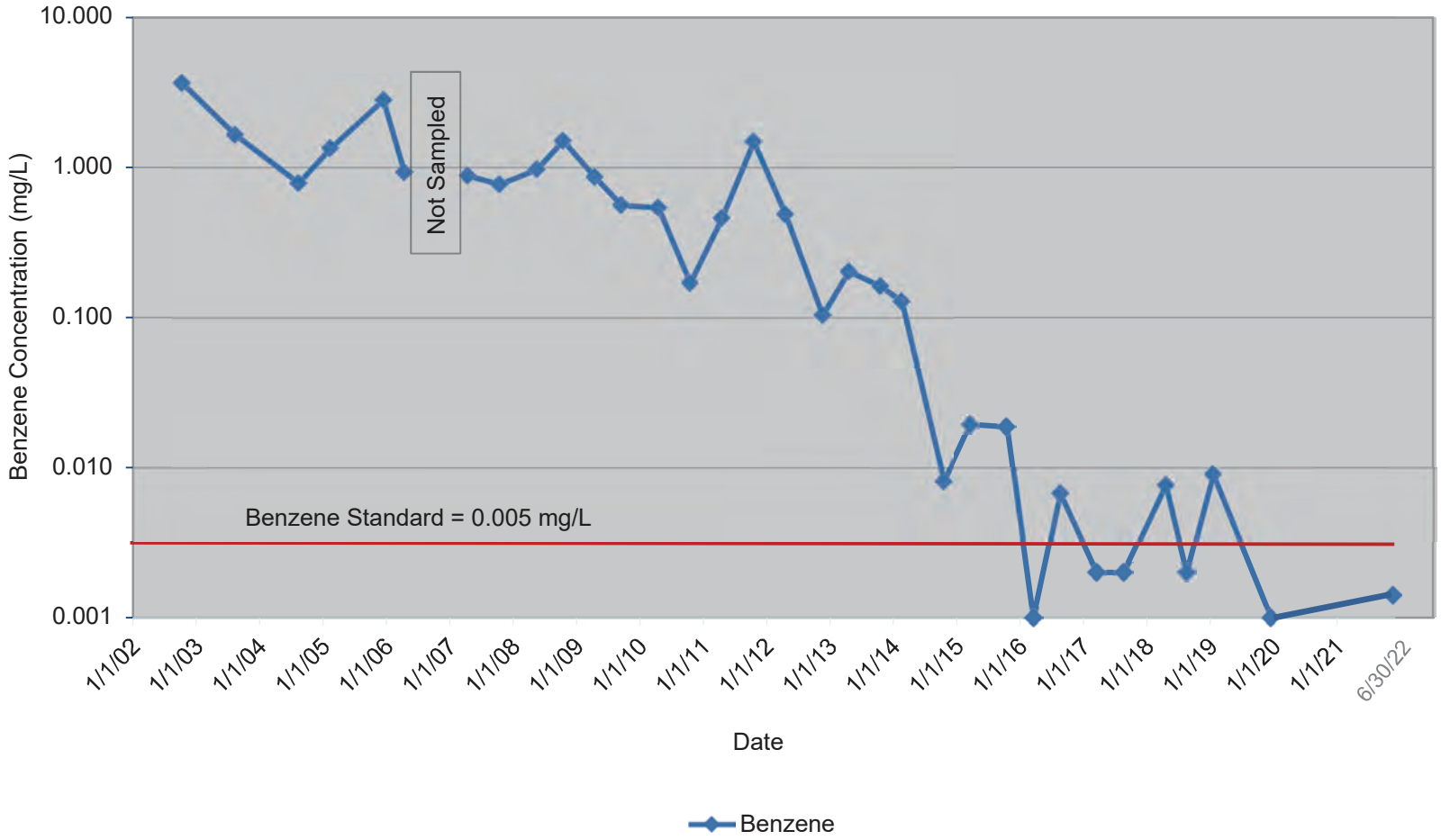
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-12



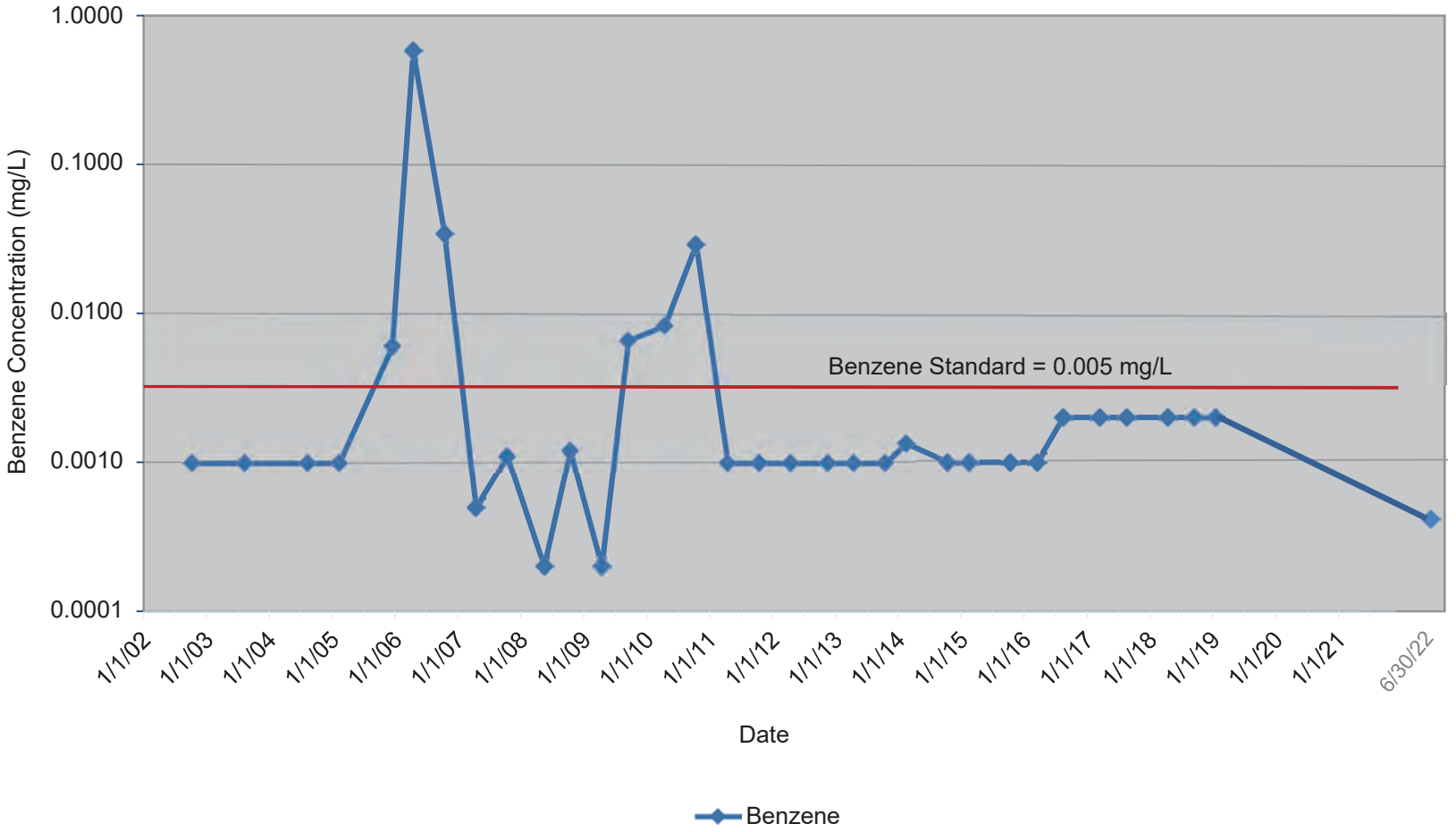
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-13



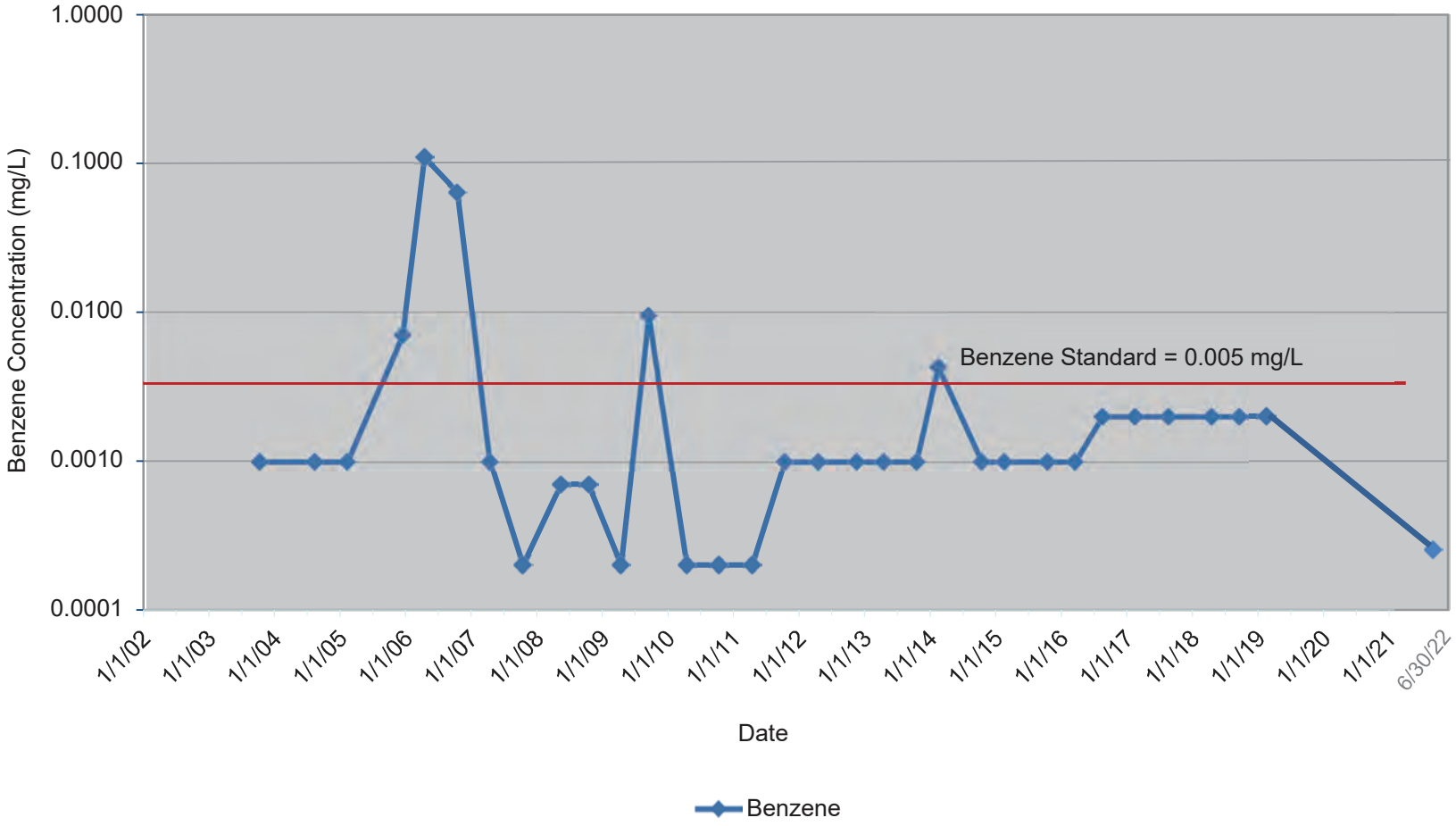
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-14



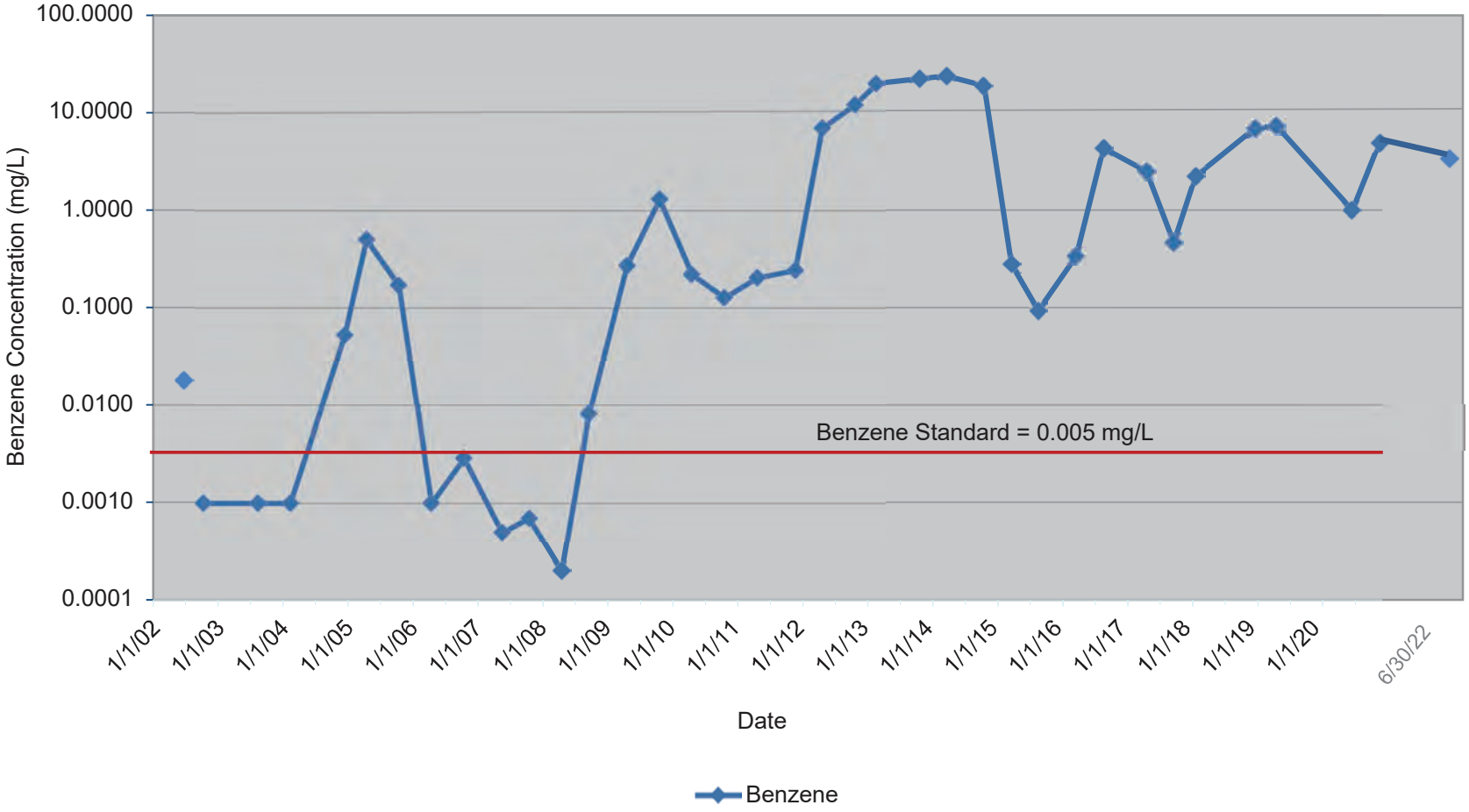
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-15



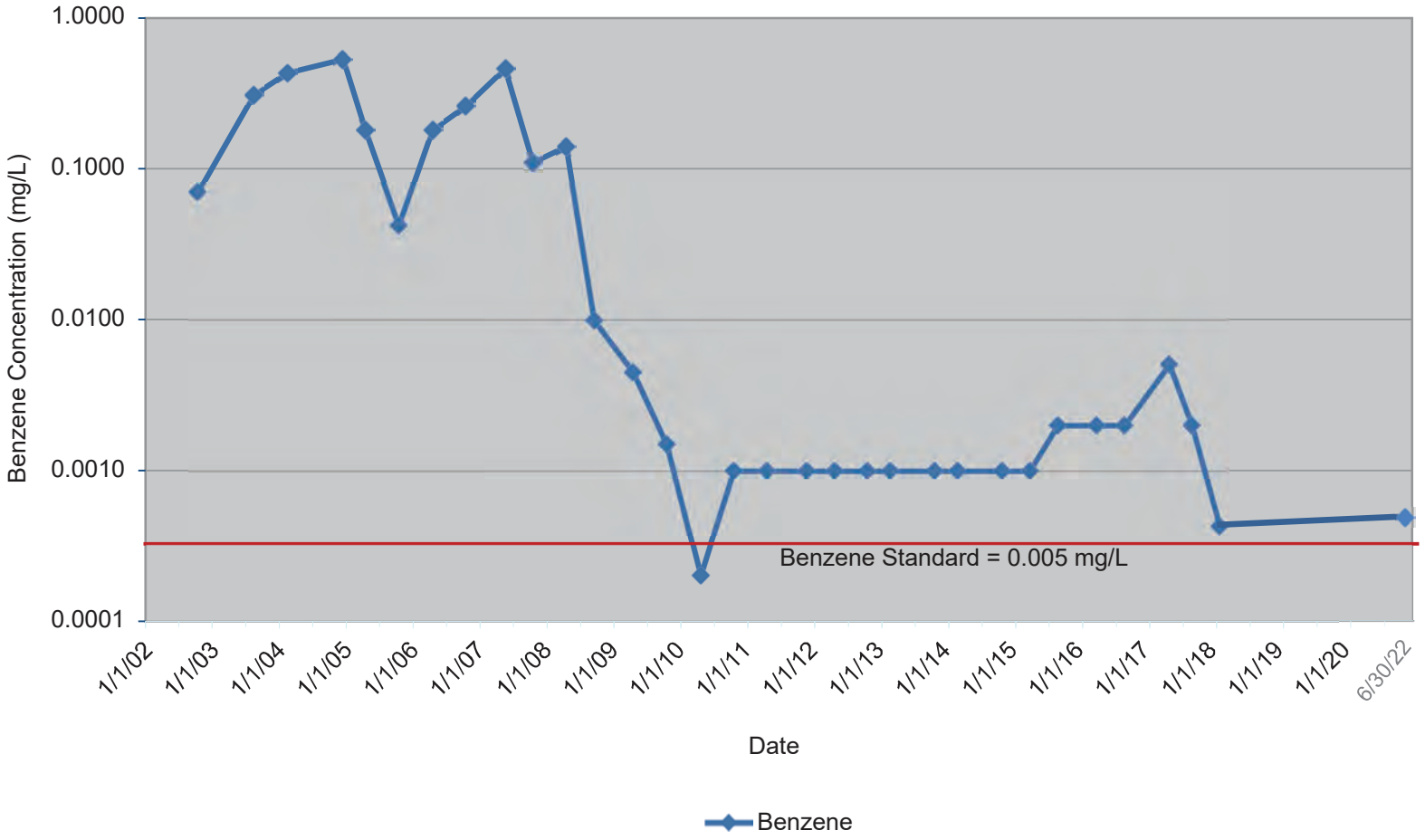
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-16



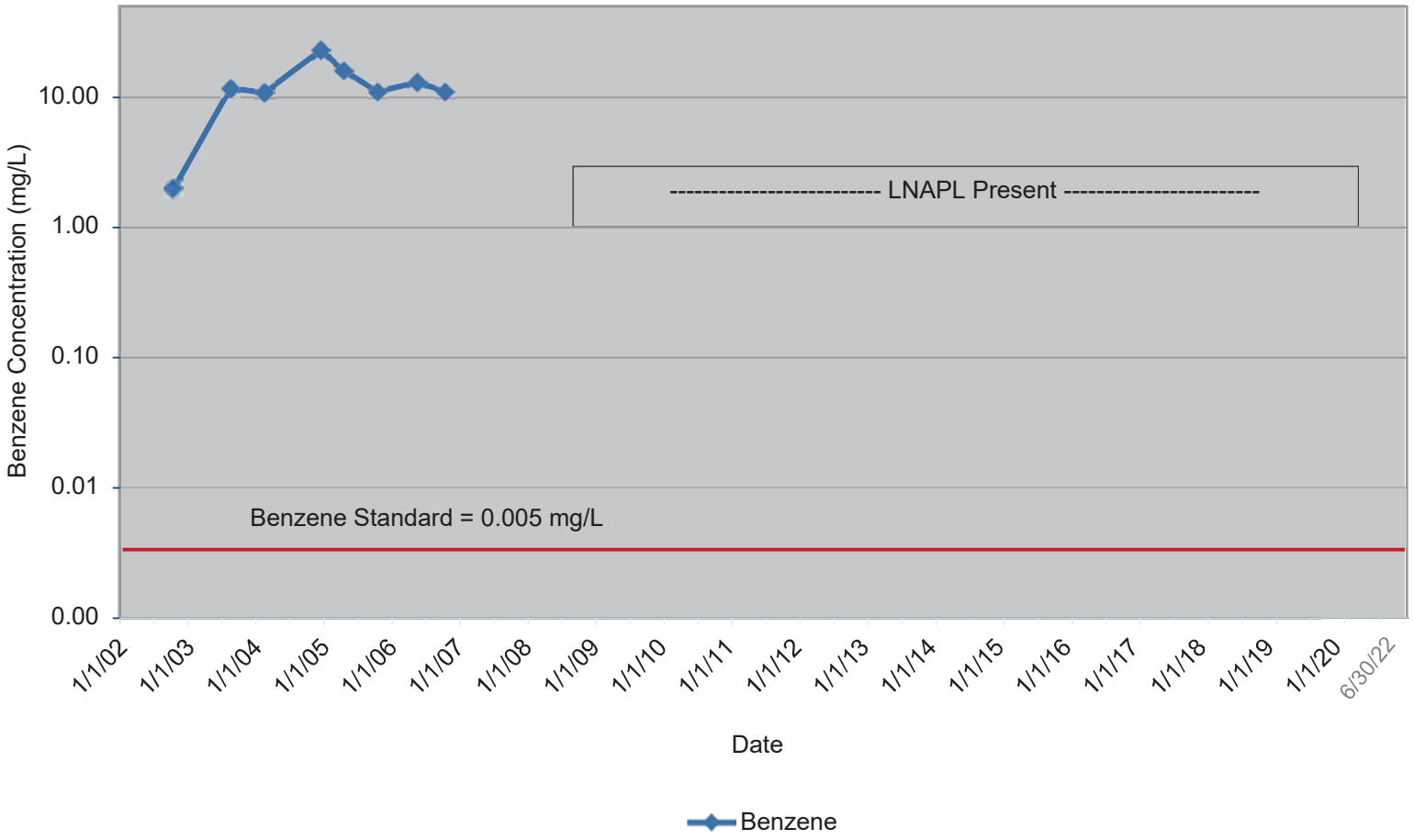
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-17



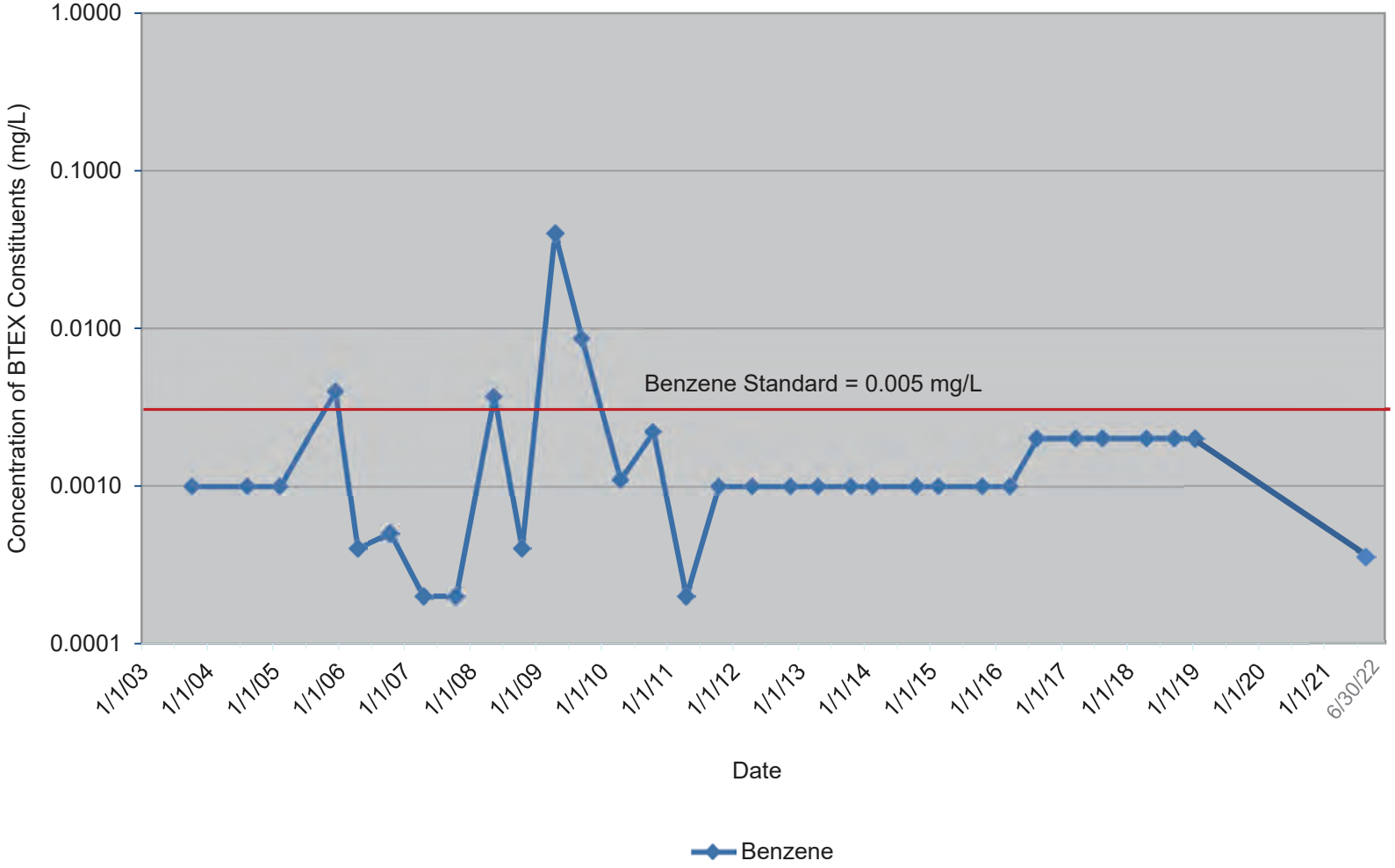
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-18



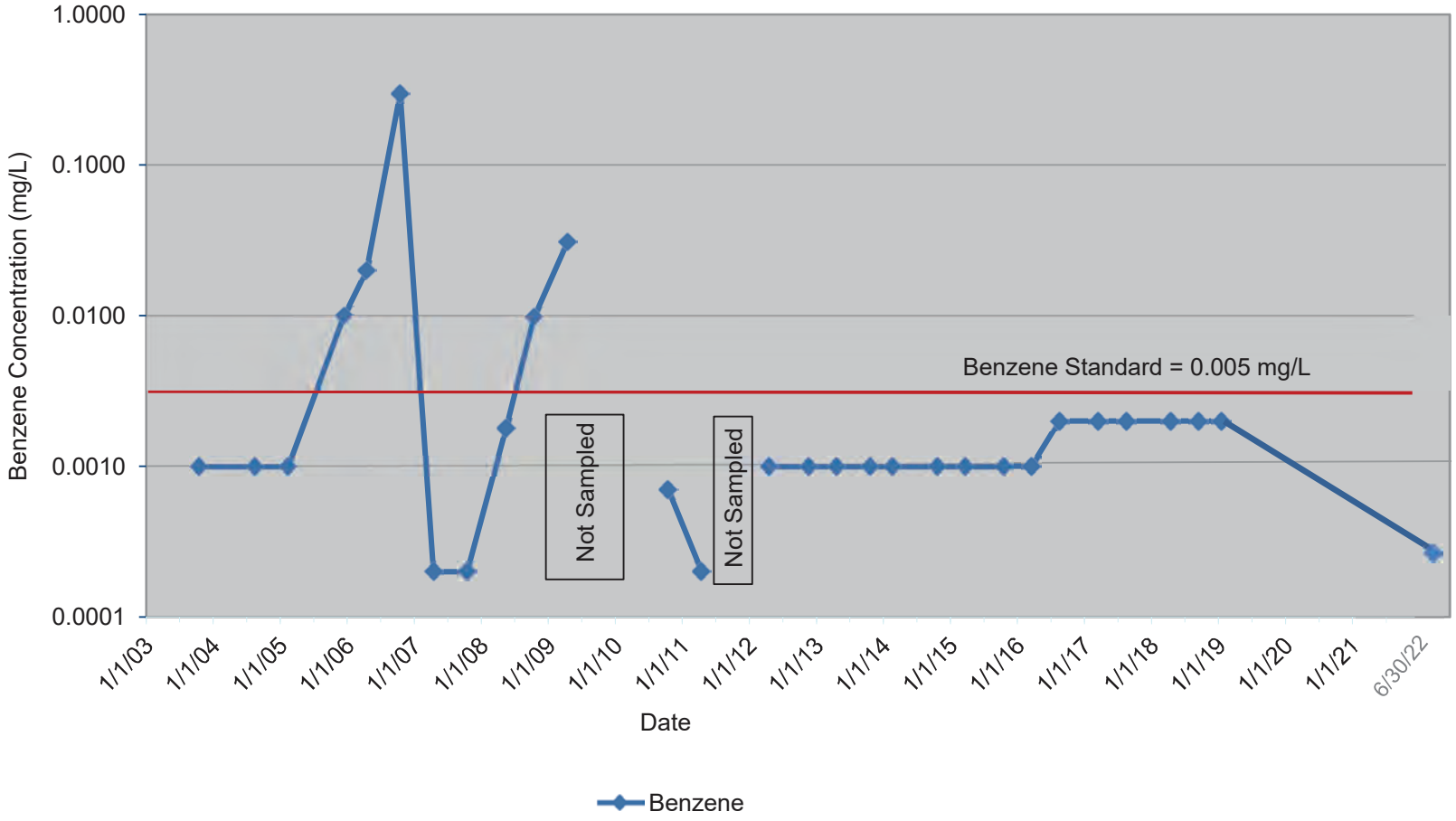
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-19



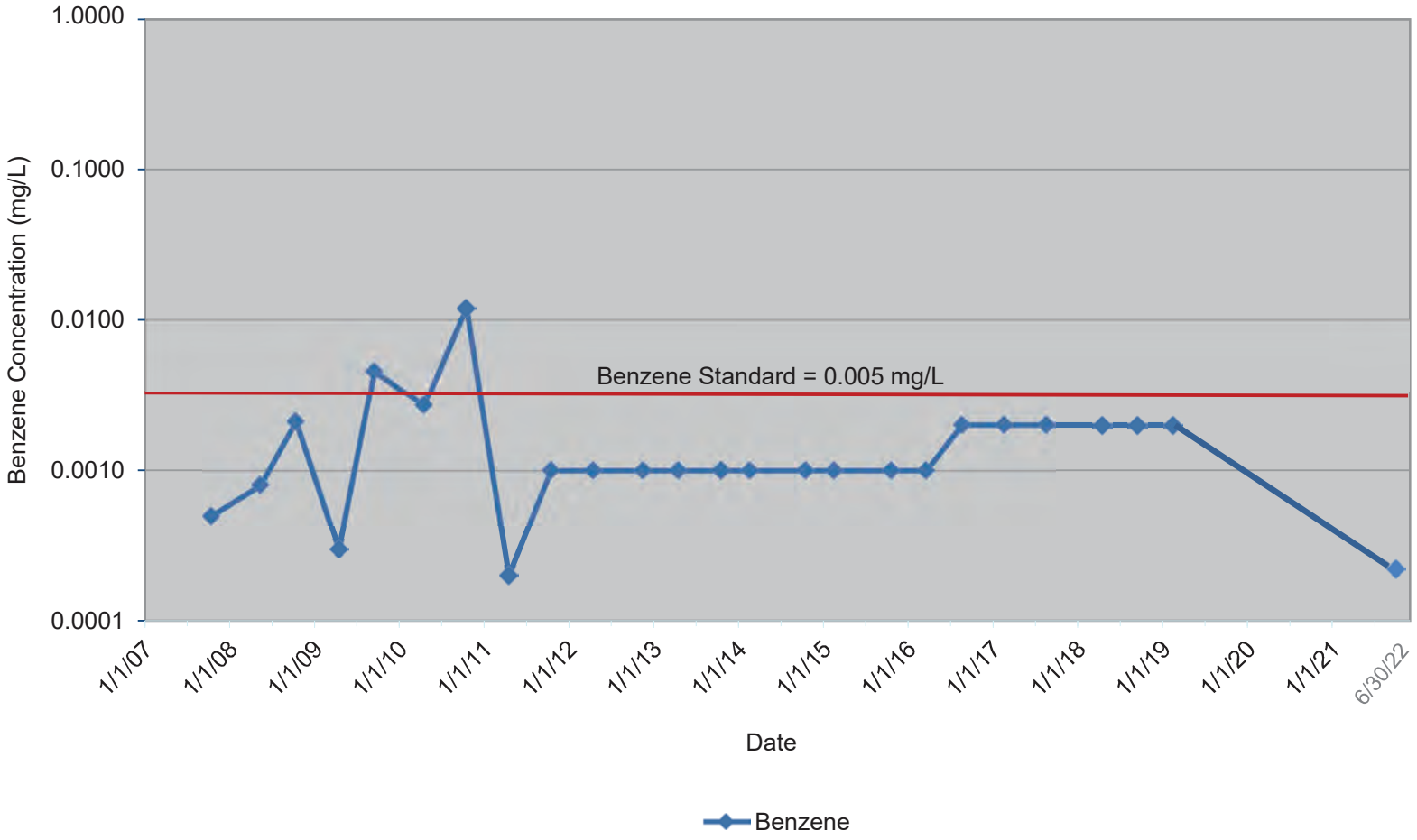
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-20



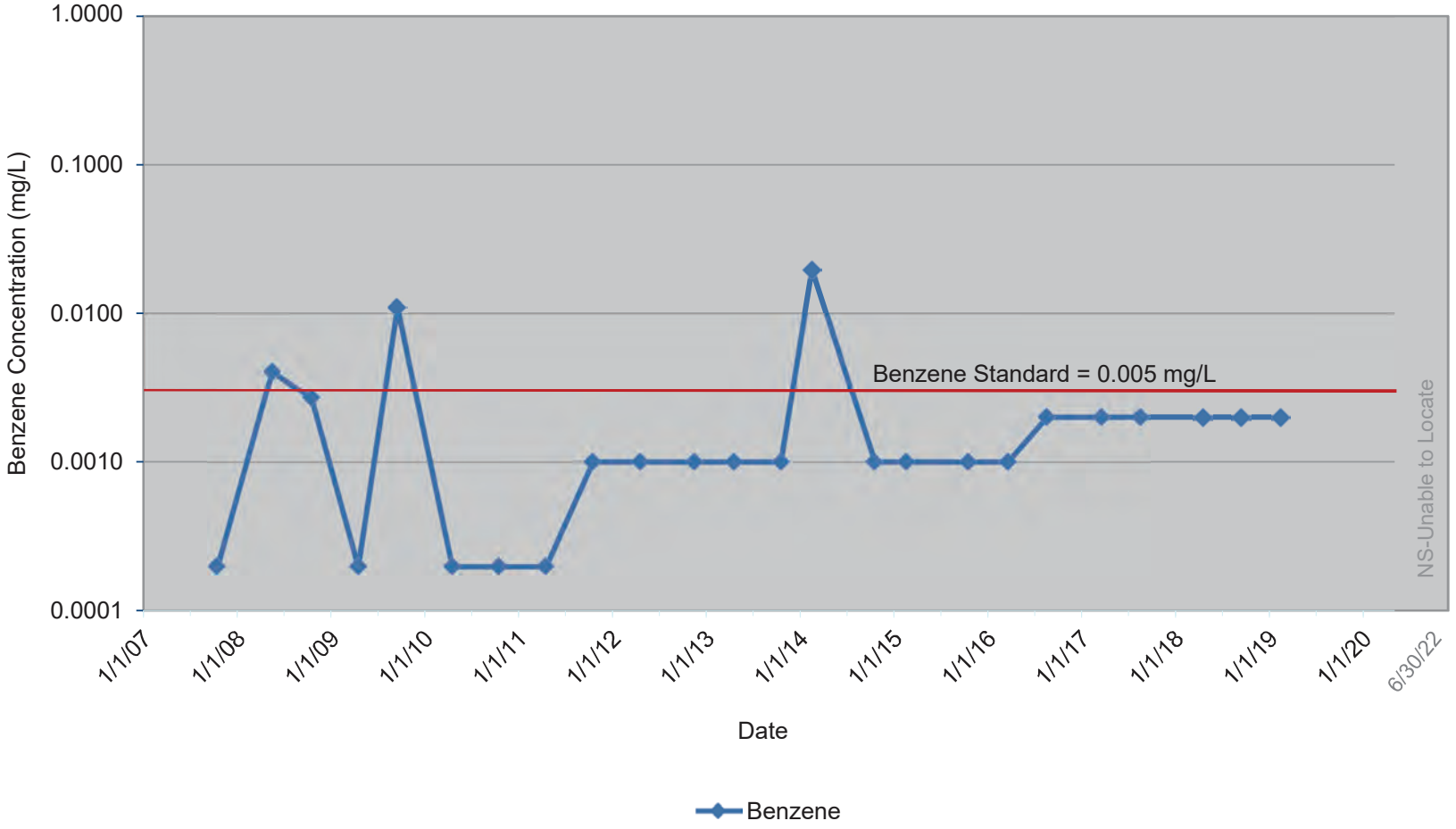
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-21



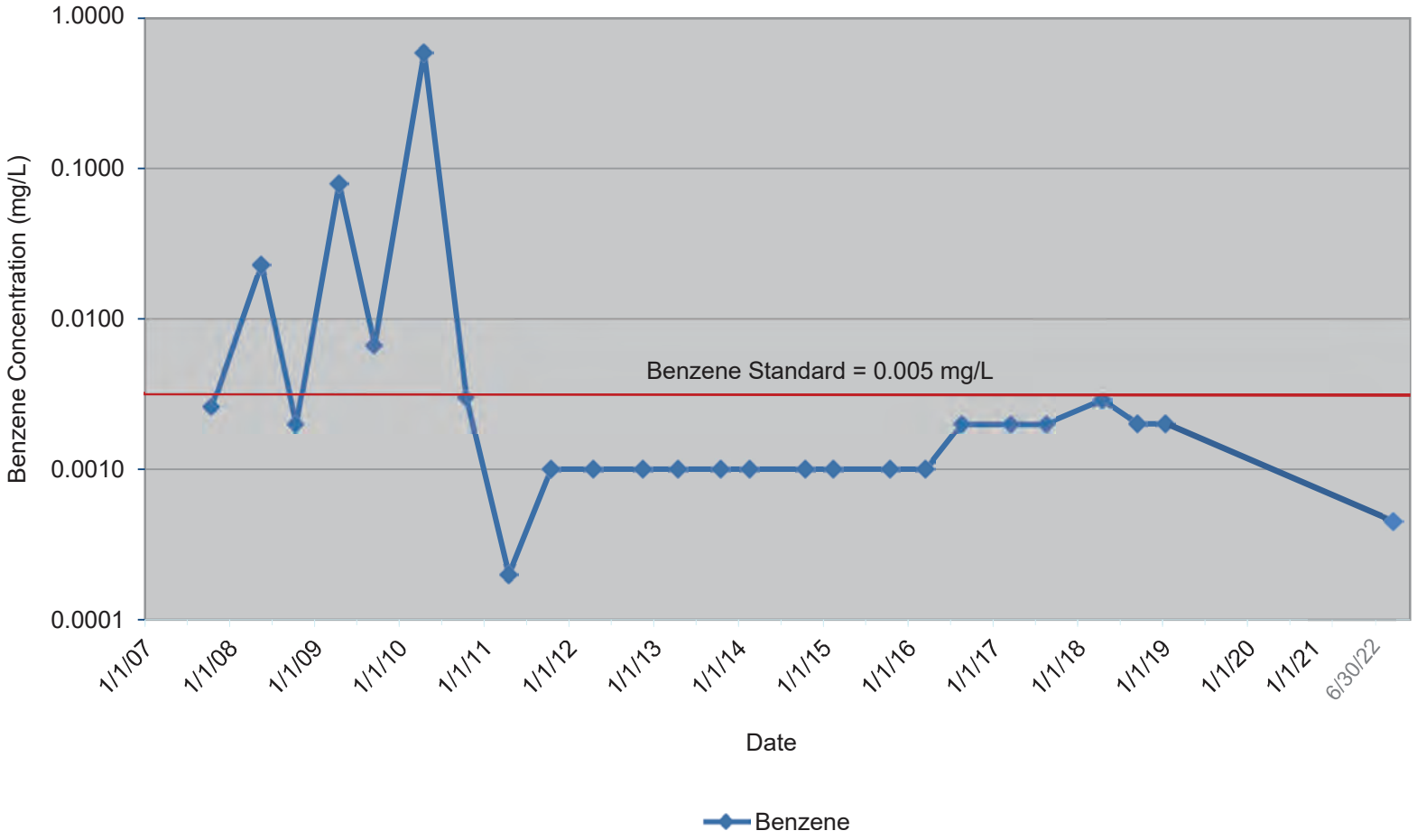
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-22



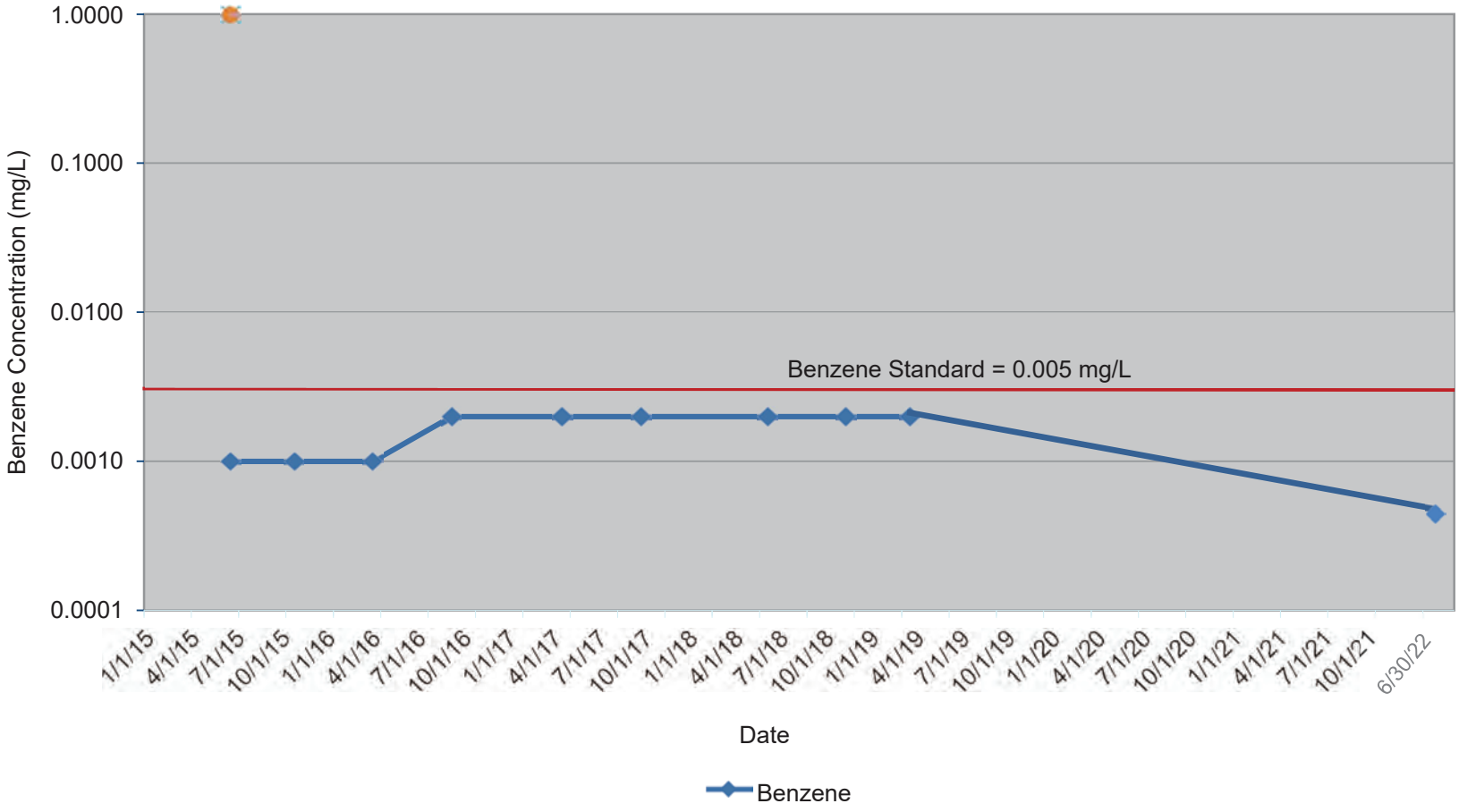
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-23



Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-24

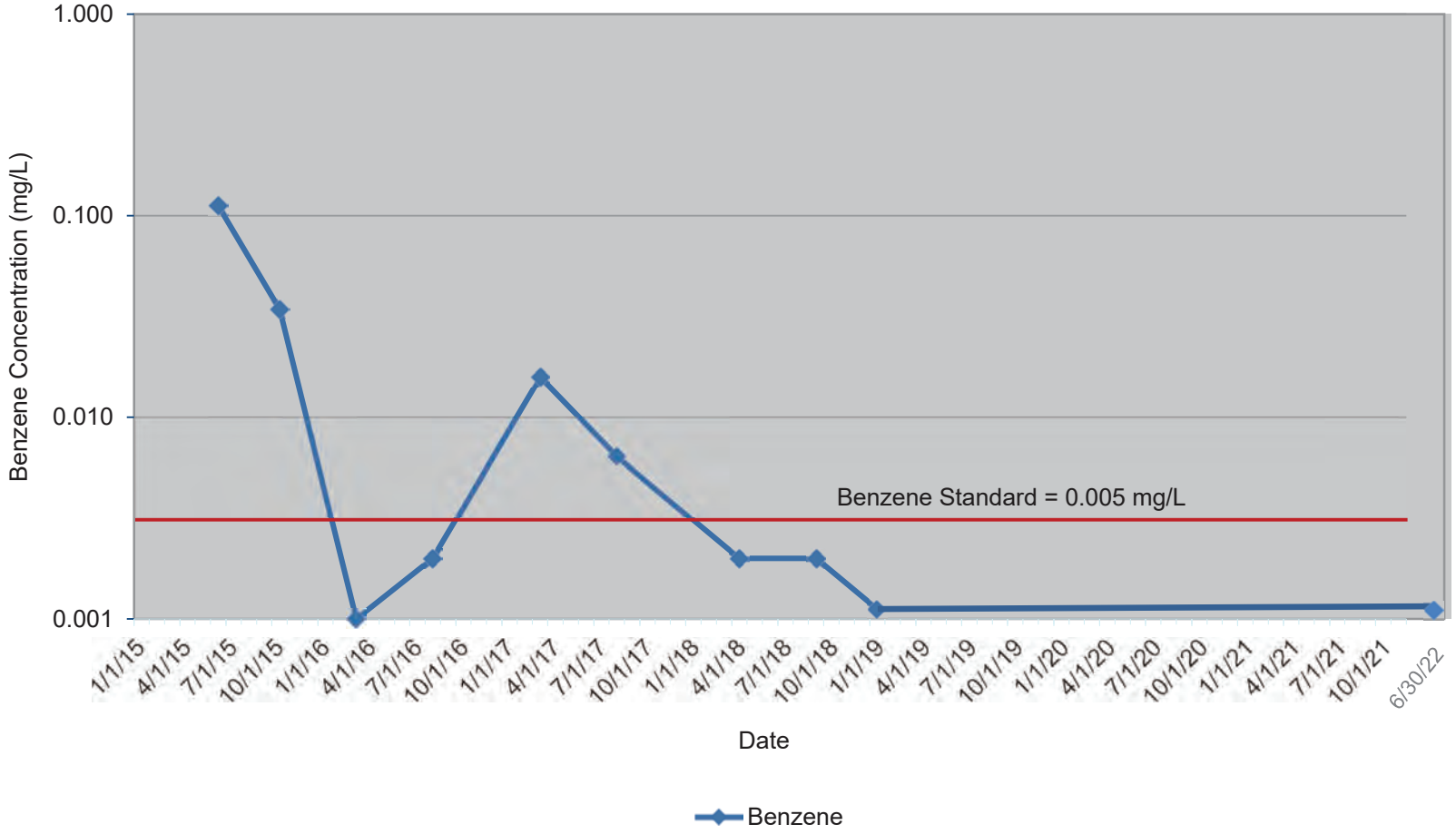


Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
MW-25

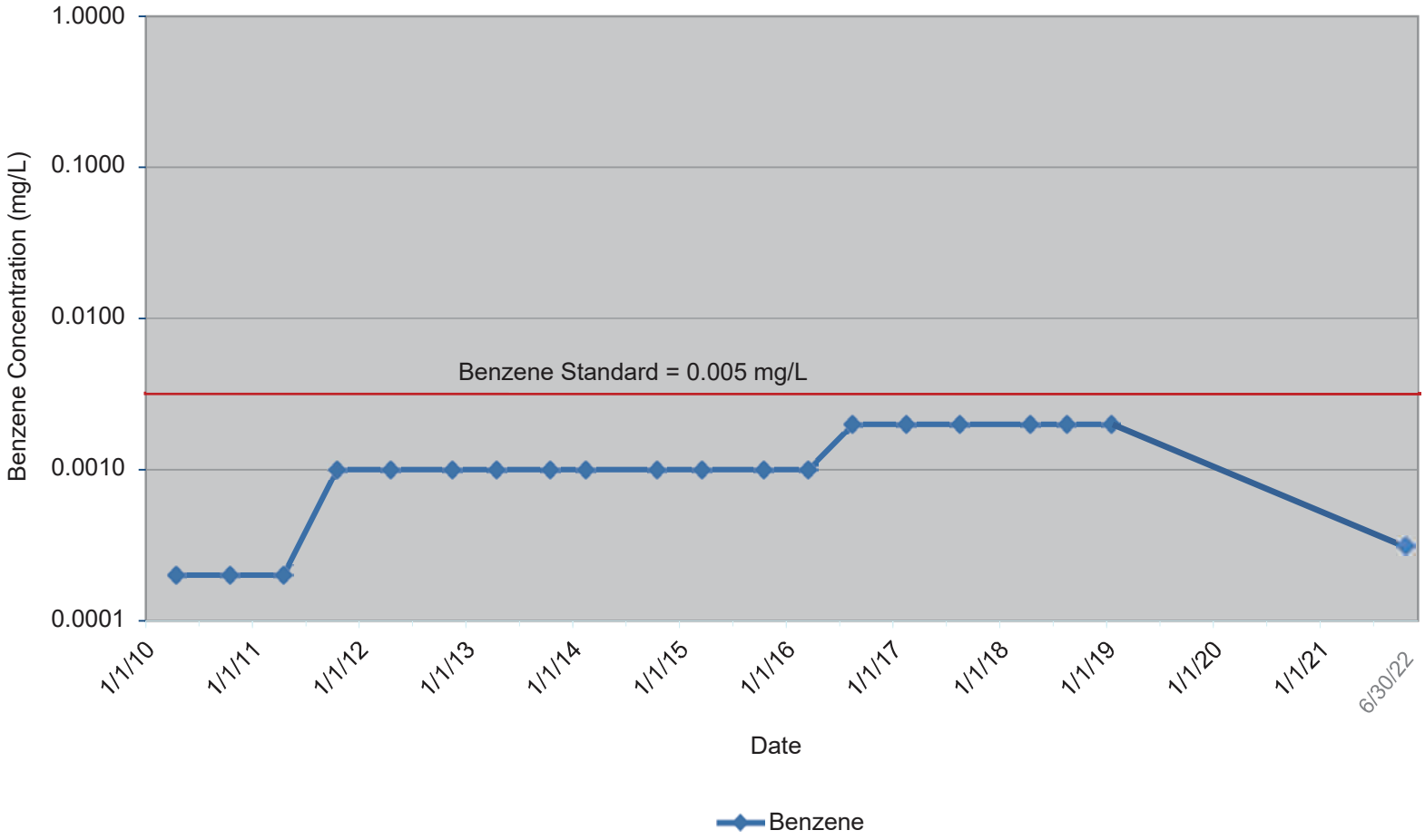


Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater

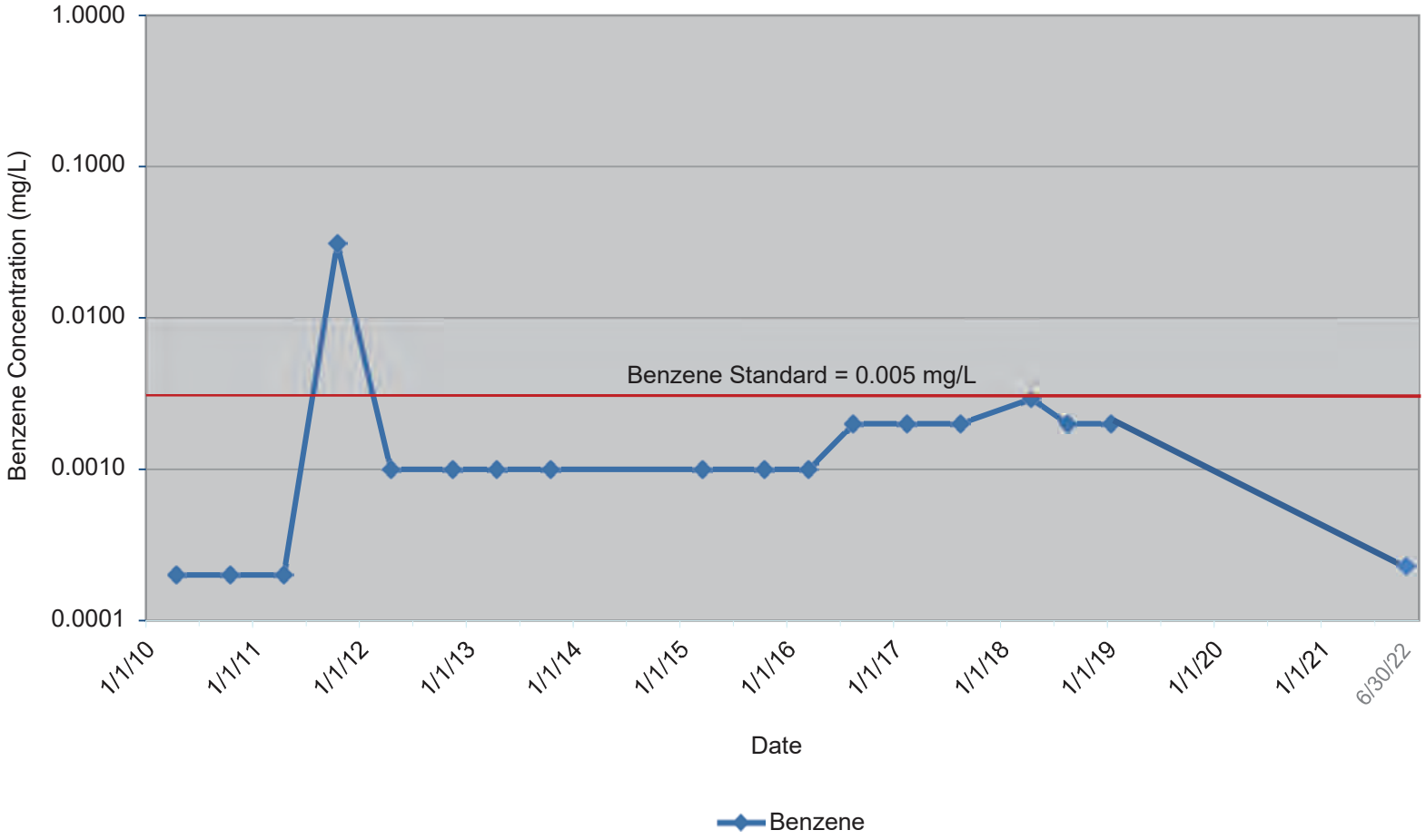
MW-26



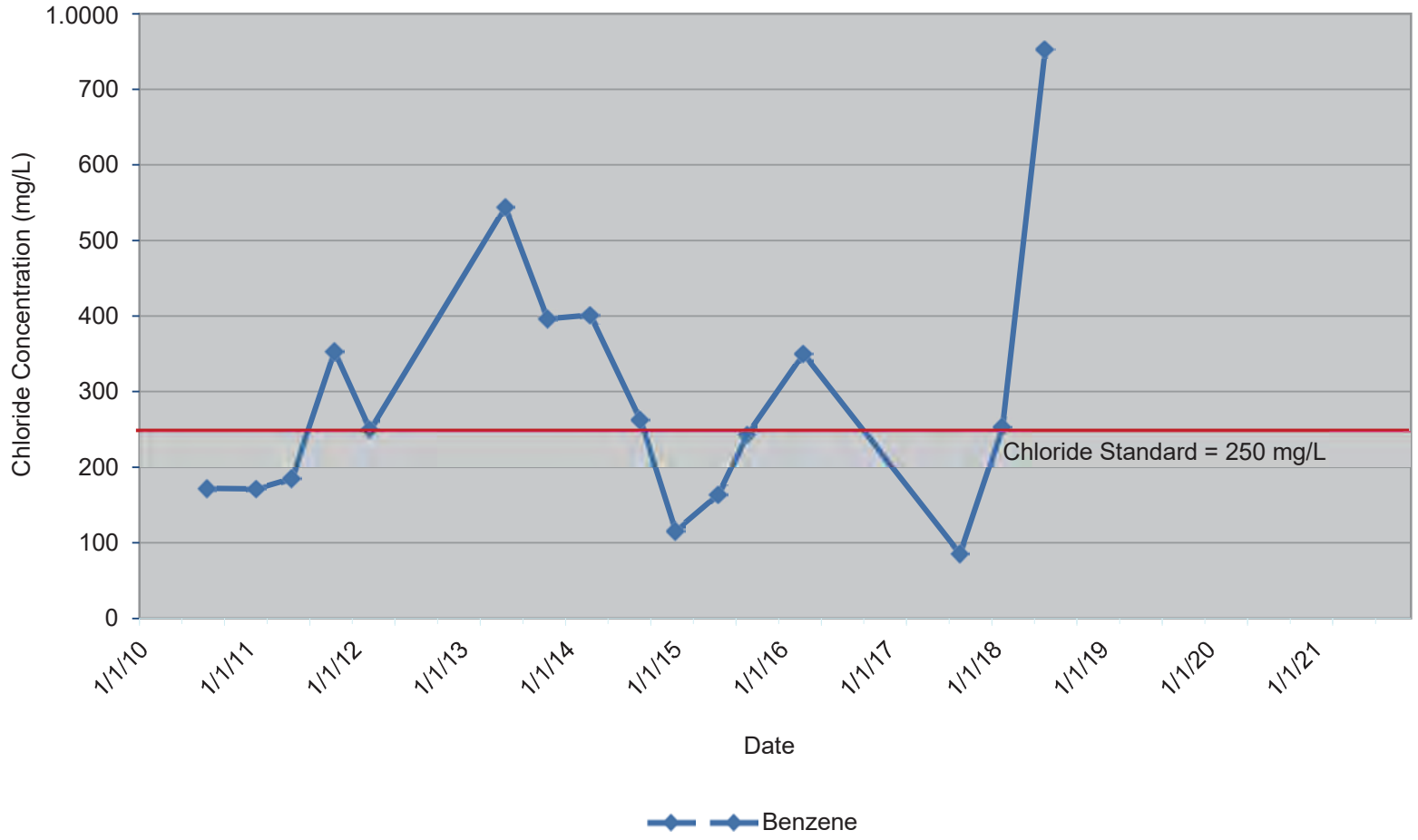
Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
TW-11



Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
TW-13



Buckeye Compressor Station
Lea County, NM
Benzene in Groundwater
TW-22
Sample Discontinued After 01-01-2018



Appendix I

Analytical Reports

ANALYTICAL REPORT

July 19, 2022

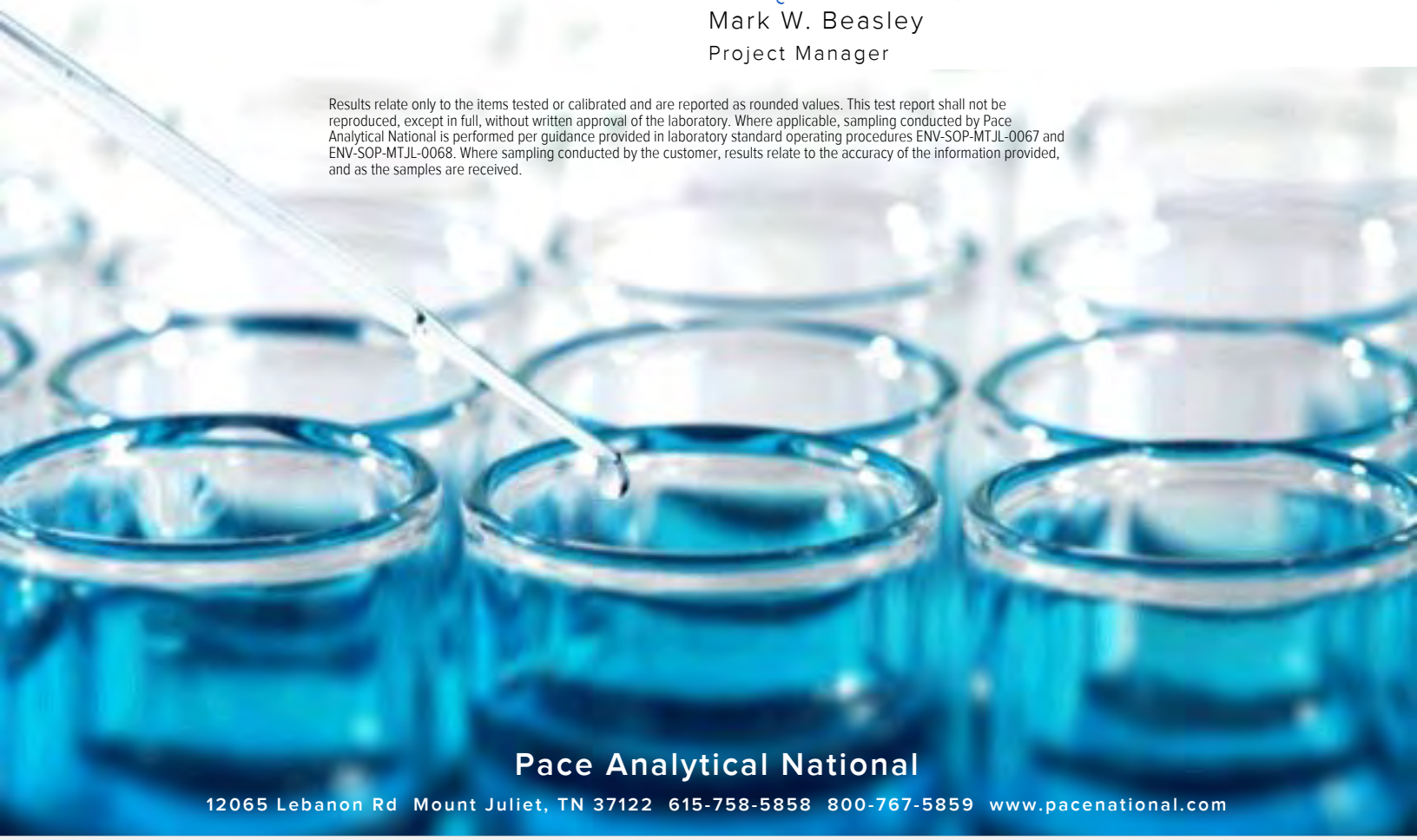
Kane Environmental Engineering, Inc.

Sample Delivery Group:	L1511254
Samples Received:	07/02/2022
Project Number:	22-215
Description:	Hobbs Area Sampling
Site:	BUCKEYE
Report To:	Russell Hamm 2351 East Hwy 21 Lincoln, TX 78948

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

TW-11 L1511254-01 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 07:30 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 10:40	07/16/22 10:40	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 16:49	07/11/22 16:49	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 18:29	07/09/22 18:29	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 05:24	DMG	Mt. Juliet, TN

MW-12 L1511254-02 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 07:50 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 11:18	07/16/22 11:18	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 17:09	07/11/22 17:09	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 18:49	07/09/22 18:49	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 05:50	DMG	Mt. Juliet, TN

MW-26 L1511254-03 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 08:15 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 11:27	07/16/22 11:27	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 17:59	07/11/22 17:59	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 19:09	07/09/22 19:09	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 06:16	DMG	Mt. Juliet, TN

MW-25 L1511254-04 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 08:30 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 11:37	07/16/22 11:37	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 18:18	07/11/22 18:18	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 19:29	07/09/22 19:29	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/11/22 16:12	DMG	Mt. Juliet, TN

MW-20 L1511254-05 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 08:50 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 11:46	07/16/22 11:46	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 18:38	07/11/22 18:38	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 19:49	07/09/22 19:49	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/11/22 16:38	DMG	Mt. Juliet, TN

MW-24 L1511254-06 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 09:10 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	5	07/16/22 12:15	07/16/22 12:15	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 18:58	07/11/22 18:58	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 20:09	07/09/22 20:09	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 21:30	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/13/22 13:35	MWS	Mt. Juliet, TN

MW-13 L1511254-07 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 12:45 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891813	1	07/08/22 15:00	07/08/22 15:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 12:25	07/16/22 12:25	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 19:19	07/11/22 19:19	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 20:29	07/09/22 20:29	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 21:56	DMG	Mt. Juliet, TN

TW-13 L1511254-08 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 11:10 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 12:34	07/16/22 12:34	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 19:39	07/11/22 19:39	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 20:49	07/09/22 20:49	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 22:22	DMG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/13/22 13:09	MWS	Mt. Juliet, TN

MW-18 L1511254-09 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 11:35 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 12:44	07/16/22 12:44	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 20:00	07/11/22 20:00	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 21:09	07/09/22 21:09	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 22:48	DMG	Mt. Juliet, TN

MW-14 L1511254-10 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 12:30 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891812	1	07/08/22 13:00	07/08/22 13:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 12:53	07/16/22 12:53	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 20:19	07/11/22 20:19	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 21:29	07/09/22 21:29	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/12/22 23:15	DMG	Mt. Juliet, TN

MW-4 L1511254-11 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 13:00 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 13:03	07/16/22 13:03	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1893900	25	07/13/22 08:38	07/13/22 08:38	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 21:49	07/09/22 21:49	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	250	07/13/22 08:49	07/13/22 08:49	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890389	1	07/07/22 14:30	07/13/22 04:37	DMG	Mt. Juliet, TN

MW-17 L1511254-12 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 13:25 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 13:12	07/16/22 13:12	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1893900	5	07/13/22 08:16	07/13/22 08:16	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 22:08	07/09/22 22:08	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1895894	100	07/15/22 16:08	07/15/22 16:08	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 09:19	DMG	Mt. Juliet, TN

MW-16 L1511254-13 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 09:50 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 13:22	07/16/22 13:22	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 21:19	07/11/22 21:19	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 22:28	07/09/22 22:28	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 03:53	07/13/22 03:53	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 09:45	DMG	Mt. Juliet, TN

MW-22 L1511254-14 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 09:35 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891817	1	07/09/22 10:00	07/09/22 10:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 13:31	07/16/22 13:31	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 21:39	07/11/22 21:39	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 22:48	07/09/22 22:48	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 04:14	07/13/22 04:14	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 10:11	DMG	Mt. Juliet, TN

MW-5 L1511254-15 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 10:35 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 13:41	07/16/22 13:41	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 22:00	07/11/22 22:00	MGF	Mt. Juliet, TN

MW-5 L1511254-15 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 10:35 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 23:08	07/09/22 23:08	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 04:35	07/13/22 04:35	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 10:37	DMG	Mt. Juliet, TN

MW-15 L1511254-16 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 10:15 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 14:09	07/16/22 14:09	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 22:20	07/11/22 22:20	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 23:28	07/09/22 23:28	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 04:56	07/13/22 04:56	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 11:04	DMG	Mt. Juliet, TN

MW-21 L1511254-17 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 10:55 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891817	1	07/09/22 10:00	07/09/22 10:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 14:19	07/16/22 14:19	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 22:41	07/11/22 22:41	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/09/22 23:48	07/09/22 23:48	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 05:17	07/13/22 05:17	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 11:30	DMG	Mt. Juliet, TN

MW-7 L1511254-18 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 13:45 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 14:28	07/16/22 14:28	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 23:01	07/11/22 23:01	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/10/22 00:08	07/10/22 00:08	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1893777	1	07/13/22 05:38	07/13/22 05:38	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 11:56	DMG	Mt. Juliet, TN

MW-6 L1511254-19 GW

Collected by: Alan Kane | Collected date/time: 06/30/22 14:00 | Received date/time: 07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891814	1	07/08/22 16:26	07/08/22 16:26	NTG	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 14:38	07/16/22 14:38	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 23:21	07/11/22 23:21	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/10/22 00:28	07/10/22 00:28	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/09/22 12:22	DMG	Mt. Juliet, TN

SAMPLE SUMMARY

MW-1 L1511254-20 GW

Collected by	Collected date/time	Received date/time
Alan Kane	06/30/22 14:30	07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9040C	WG1891817	1	07/09/22 10:00	07/09/22 10:00	GI	Mt. Juliet, TN
Wet Chemistry by Method 9050A	WG1893650	1	07/12/22 15:19	07/12/22 15:19	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896124	1	07/16/22 14:47	07/16/22 14:47	LBR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1892839	1	07/11/22 23:42	07/11/22 23:42	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892399	1	07/10/22 00:48	07/10/22 00:48	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/12/22 23:41	DMG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1511254-09	MW-18	8015M
L1511254-11	MW-4	8260B

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.45	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-01 WG1891813: 7.45 at 19.5C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	774		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-01 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	143		0.379	1.00	1.00	1	07/16/2022 10:40	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 16:49	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.0*				*78.0-120*		*07/11/2022 16:49*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 18:29	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 18:29	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 18:29	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 18:29	WG1892399
(S) Toluene-d8	*94.1*				*80.0-120*		*07/09/2022 18:29*	WG1892399
(S) 4-Bromofluorobenzene	*87.3*				*77.0-126*		*07/09/2022 18:29*	WG1892399
(S) 1,2-Dichloroethane-d4	*108*				*70.0-130*		*07/09/2022 18:29*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.100	J	0.0222	0.100	0.100	1	07/12/2022 05:24	WG1890389
C28-C36 Motor Oil Range	0.0845	B J	0.0118	0.100	0.100	1	07/12/2022 05:24	WG1890389
(S) o-Terphenyl	*103*				*52.0-156*		*07/12/2022 05:24*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.33	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-02 WG1891813: 7.33 at 20.3C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	647		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-02 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	40.9		0.379	1.00	1.00	1	07/16/2022 11:18	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 17:09	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.8*				*78.0-120*		*07/11/2022 17:09*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 18:49	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 18:49	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 18:49	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 18:49	WG1892399
(S) Toluene-d8	*98.9*				*80.0-120*		*07/09/2022 18:49*	WG1892399
(S) 4-Bromofluorobenzene	*86.6*				*77.0-126*		*07/09/2022 18:49*	WG1892399
(S) 1,2-Dichloroethane-d4	*110*				*70.0-130*		*07/09/2022 18:49*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0559	J	0.0222	0.100	0.100	1	07/12/2022 05:50	WG1890389
C28-C36 Motor Oil Range	U		0.0118	0.100	0.100	1	07/12/2022 05:50	WG1890389
(S) o-Terphenyl	*103*				*52.0-156*		*07/12/2022 05:50*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.34	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-03 WG1891813: 7.34 at 20.6C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	695		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-03 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	60.6		0.379	1.00	1.00	1	07/16/2022 11:27	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 17:59	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*93.7*				*78.0-120*		*07/11/2022 17:59*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000268	J	0.0000941	0.00100	0.00100	1	07/09/2022 19:09	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 19:09	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 19:09	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 19:09	WG1892399
(S) Toluene-d8	*98.6*				*80.0-120*		*07/09/2022 19:09*	WG1892399
(S) 4-Bromofluorobenzene	*87.4*				*77.0-126*		*07/09/2022 19:09*	WG1892399
(S) 1,2-Dichloroethane-d4	*115*				*70.0-130*		*07/09/2022 19:09*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0723	J	0.0222	0.100	0.100	1	07/12/2022 06:16	WG1890389
C28-C36 Motor Oil Range	U		0.0118	0.100	0.100	1	07/12/2022 06:16	WG1890389
(S) o-Terphenyl	*77.0*				*52.0-156*		*07/12/2022 06:16*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.24	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-04 WG1891813: 7.24 at 20.4C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	780		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-04 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	84.8		0.379	1.00	1.00	1	07/16/2022 11:37	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 18:18	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*90.5*				*78.0-120*		*07/11/2022 18:18*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 19:29	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 19:29	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 19:29	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 19:29	WG1892399
(S) Toluene-d8	*94.8*				*80.0-120*		*07/09/2022 19:29*	WG1892399
(S) 4-Bromofluorobenzene	*88.6*				*77.0-126*		*07/09/2022 19:29*	WG1892399
(S) 1,2-Dichloroethane-d4	*111*				*70.0-130*		*07/09/2022 19:29*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0350	J	0.0222	0.100	0.100	1	07/11/2022 16:12	WG1890389
C28-C36 Motor Oil Range	0.0500	B J	0.0118	0.100	0.100	1	07/11/2022 16:12	WG1890389
(S) o-Terphenyl	*103*				*52.0-156*		*07/11/2022 16:12*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.23	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-05 WG1891813: 7.23 at 20.2C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	676		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-05 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	36.6		0.379	1.00	1.00	1	07/16/2022 11:46	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 18:38	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.5*				*78.0-120*		*07/11/2022 18:38*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 19:49	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 19:49	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 19:49	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 19:49	WG1892399
(S) Toluene-d8	*102*				*80.0-120*		*07/09/2022 19:49*	WG1892399
(S) 4-Bromofluorobenzene	*95.3*				*77.0-126*		*07/09/2022 19:49*	WG1892399
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*07/09/2022 19:49*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.0222	0.100	0.100	1	07/11/2022 16:38	WG1890389
C28-C36 Motor Oil Range	0.0240	B J	0.0118	0.100	0.100	1	07/11/2022 16:38	WG1890389
(S) o-Terphenyl	*106*				*52.0-156*		*07/11/2022 16:38*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.00	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-06 WG1891813: 7 at 20.6C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	1170		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-06 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	208		1.90	1.00	5.00	5	07/16/2022 12:15	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 18:58	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*96.1*				*78.0-120*		*07/11/2022 18:58*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 20:09	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 20:09	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 20:09	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 20:09	WG1892399
(S) Toluene-d8	*102*				*80.0-120*		*07/09/2022 20:09*	WG1892399
(S) 4-Bromofluorobenzene	*84.7*				*77.0-126*		*07/09/2022 20:09*	WG1892399
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*07/09/2022 20:09*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.129		0.0222	0.100	0.100	1	07/12/2022 21:30	WG1890389
C28-C36 Motor Oil Range	0.0530	B J	0.0118	0.100	0.100	1	07/13/2022 13:35	WG1890389
(S) o-Terphenyl	*99.5*				*52.0-156*		*07/13/2022 13:35*	WG1890389
(S) o-Terphenyl	*96.0*				*52.0-156*		*07/12/2022 21:30*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.94	T8	1	07/08/2022 15:00	WG1891813

Sample Narrative:
L1511254-07 WG1891813: 6.94 at 21.1C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	957		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-07 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	76.9		0.379	1.00	1.00	1	07/16/2022 12:25	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 19:19	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*92.8*				*78.0-120*		*07/11/2022 19:19*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000124	J	0.0000941	0.00100	0.00100	1	07/09/2022 20:29	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 20:29	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 20:29	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 20:29	WG1892399
(S) Toluene-d8	*106*				*80.0-120*		*07/09/2022 20:29*	WG1892399
(S) 4-Bromofluorobenzene	*97.1*				*77.0-126*		*07/09/2022 20:29*	WG1892399
(S) 1,2-Dichloroethane-d4	*111*				*70.0-130*		*07/09/2022 20:29*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.551		0.0222	0.100	0.100	1	07/12/2022 21:56	WG1890389
C28-C36 Motor Oil Range	0.799		0.0118	0.100	0.100	1	07/12/2022 21:56	WG1890389
(S) o-Terphenyl	*86.0*				*52.0-156*		*07/12/2022 21:56*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.31	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-08 WG1891814: 7.31 at 22.2C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	1480		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-08 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	102		0.379	1.00	1.00	1	07/16/2022 12:34	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 19:39	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.0*				*78.0-120*		*07/11/2022 19:39*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 20:49	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 20:49	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 20:49	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 20:49	WG1892399
(S) Toluene-d8	*106*				*80.0-120*		*07/09/2022 20:49*	WG1892399
(S) 4-Bromofluorobenzene	*81.4*				*77.0-126*		*07/09/2022 20:49*	WG1892399
(S) 1,2-Dichloroethane-d4	*116*				*70.0-130*		*07/09/2022 20:49*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.132		0.0222	0.100	0.100	1	07/12/2022 22:22	WG1890389
C28-C36 Motor Oil Range	0.0579	B J	0.0118	0.100	0.100	1	07/13/2022 13:09	WG1890389
(S) o-Terphenyl	*99.0*				*52.0-156*		*07/12/2022 22:22*	WG1890389
(S) o-Terphenyl	*104*				*52.0-156*		*07/13/2022 13:09*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.51	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-09 WG1891814: 7.51 at 21C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	919		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-09 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	41.2		0.379	1.00	1.00	1	07/16/2022 12:44	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 20:00	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.1*				*78.0-120*		*07/11/2022 20:00*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/09/2022 21:09	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 21:09	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 21:09	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 21:09	WG1892399
(S) Toluene-d8	*103*				*80.0-120*		*07/09/2022 21:09*	WG1892399
(S) 4-Bromofluorobenzene	*78.4*				*77.0-126*		*07/09/2022 21:09*	WG1892399
(S) 1,2-Dichloroethane-d4	*112*				*70.0-130*		*07/09/2022 21:09*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.201		0.0222	0.100	0.100	1	07/12/2022 22:48	WG1890389
C28-C36 Motor Oil Range	0.624		0.0118	0.100	0.100	1	07/12/2022 22:48	WG1890389
(S) o-Terphenyl	*75.5*				*52.0-156*		*07/12/2022 22:48*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.00	T8	1	07/08/2022 13:00	WG1891812

Sample Narrative:
L1511254-10 WG1891812: 7 at 19.3C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	880		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-10 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	12.1		0.379	1.00	1.00	1	07/16/2022 12:53	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.221		0.0314	0.100	0.100	1	07/11/2022 20:19	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*90.0*				*78.0-120*		*07/11/2022 20:19*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000113	J	0.0000941	0.00100	0.00100	1	07/09/2022 21:29	WG1892399
Toluene	0.00500		0.000278	0.00100	0.00100	1	07/09/2022 21:29	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 21:29	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 21:29	WG1892399
(S) Toluene-d8	*123*	J1			*80.0-120*		*07/09/2022 21:29*	WG1892399
(S) 4-Bromofluorobenzene	*114*				*77.0-126*		*07/09/2022 21:29*	WG1892399
(S) 1,2-Dichloroethane-d4	*108*				*70.0-130*		*07/09/2022 21:29*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.302		0.0222	0.100	0.100	1	07/12/2022 23:15	WG1890389
C28-C36 Motor Oil Range	0.460		0.0118	0.100	0.100	1	07/12/2022 23:15	WG1890389
(S) o-Terphenyl	*93.5*				*52.0-156*		*07/12/2022 23:15*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.76	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-11 WG1891814: 6.76 at 21.4C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	428		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-11 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	74.5		0.379	1.00	1.00	1	07/16/2022 13:03	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	32.6		0.785	0.100	2.50	25	07/13/2022 08:38	WG1893900
(S) a,a,a-Trifluorotoluene(FID)	*98.2*				*78.0-120*		*07/13/2022 08:38*	WG1893900

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	12.7		0.0235	0.00100	0.250	250	07/13/2022 08:49	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 21:49	WG1892399
Ethylbenzene	0.0212		0.000137	0.00100	0.00100	1	07/09/2022 21:49	WG1892399
Total Xylenes	0.00118	J	0.000174	0.00300	0.00300	1	07/09/2022 21:49	WG1892399
(S) Toluene-d8	*99.1*				*80.0-120*		*07/09/2022 21:49*	WG1892399
(S) Toluene-d8	*108*				*80.0-120*		*07/13/2022 08:49*	WG1893777
(S) 4-Bromofluorobenzene	*86.4*				*77.0-126*		*07/09/2022 21:49*	WG1892399
(S) 4-Bromofluorobenzene	*103*				*77.0-126*		*07/13/2022 08:49*	WG1893777
(S) 1,2-Dichloroethane-d4	*97.9*				*70.0-130*		*07/09/2022 21:49*	WG1892399
(S) 1,2-Dichloroethane-d4	*98.3*				*70.0-130*		*07/13/2022 08:49*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.502		0.0222	0.100	0.100	1	07/13/2022 04:37	WG1890389
C28-C36 Motor Oil Range	0.176	B	0.0118	0.100	0.100	1	07/13/2022 04:37	WG1890389
(S) o-Terphenyl	*106*				*52.0-156*		*07/13/2022 04:37*	WG1890389

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.63	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-12 WG1891814: 7.63 at 21.2C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	353		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-12 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	60.5		0.379	1.00	1.00	1	07/16/2022 13:12	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	12.9		0.157	0.100	0.500	5	07/13/2022 08:16	WG1893900
(S) a,a,a-Trifluorotoluene(FID)	*97.2*				*78.0-120*		*07/13/2022 08:16*	WG1893900

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	6.65	Q	0.00941	0.00100	0.100	100	07/15/2022 16:08	WG1895894
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 22:08	WG1892399
Ethylbenzene	0.000684	J	0.000137	0.00100	0.00100	1	07/09/2022 22:08	WG1892399
Total Xylenes	0.000528	J	0.000174	0.00300	0.00300	1	07/09/2022 22:08	WG1892399
(S) Toluene-d8	*101*				*80.0-120*		*07/09/2022 22:08*	WG1892399
(S) Toluene-d8	*99.2*				*80.0-120*		*07/15/2022 16:08*	WG1895894
(S) 4-Bromofluorobenzene	*86.1*				*77.0-126*		*07/09/2022 22:08*	WG1892399
(S) 4-Bromofluorobenzene	*101*				*77.0-126*		*07/15/2022 16:08*	WG1895894
(S) 1,2-Dichloroethane-d4	*104*				*70.0-130*		*07/09/2022 22:08*	WG1892399
(S) 1,2-Dichloroethane-d4	*102*				*70.0-130*		*07/15/2022 16:08*	WG1895894

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.336		0.0222	0.100	0.100	1	07/09/2022 09:19	WG1890390
C28-C36 Motor Oil Range	0.158	B	0.0118	0.100	0.100	1	07/09/2022 09:19	WG1890390
(S) o-Terphenyl	*108*				*52.0-156*		*07/09/2022 09:19*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.40	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-13 WG1891814: 7.4 at 22C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	750		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-13 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	69.1		0.379	1.00	1.00	1	07/16/2022 13:22	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 21:19	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*94.8*				*78.0-120*		*07/11/2022 21:19*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000107	J	0.0000941	0.00100	0.00100	1	07/13/2022 03:53	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 22:28	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 22:28	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 22:28	WG1892399
(S) Toluene-d8	*107*				*80.0-120*		*07/09/2022 22:28*	WG1892399
(S) Toluene-d8	*112*				*80.0-120*		*07/13/2022 03:53*	WG1893777
(S) 4-Bromofluorobenzene	*89.1*				*77.0-126*		*07/09/2022 22:28*	WG1892399
(S) 4-Bromofluorobenzene	*99.1*				*77.0-126*		*07/13/2022 03:53*	WG1893777
(S) 1,2-Dichloroethane-d4	*109*				*70.0-130*		*07/09/2022 22:28*	WG1892399
(S) 1,2-Dichloroethane-d4	*92.1*				*70.0-130*		*07/13/2022 03:53*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0316	J	0.0222	0.100	0.100	1	07/09/2022 09:45	WG1890390
C28-C36 Motor Oil Range	0.0833	B J	0.0118	0.100	0.100	1	07/09/2022 09:45	WG1890390
(S) o-Terphenyl	*110*				*52.0-156*		*07/09/2022 09:45*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.92	T8	1	07/09/2022 10:00	WG1891817

Sample Narrative:
L1511254-14 WG1891817: 7.92 at 23.3C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	559		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-14 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	39.6		0.379	1.00	1.00	1	07/16/2022 13:31	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 21:39	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.1*				*78.0-120*		*07/11/2022 21:39*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/13/2022 04:14	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 22:48	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 22:48	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 22:48	WG1892399
(S) Toluene-d8	*98.3*				*80.0-120*		*07/09/2022 22:48*	WG1892399
(S) Toluene-d8	*119*				*80.0-120*		*07/13/2022 04:14*	WG1893777
(S) 4-Bromofluorobenzene	*90.4*				*77.0-126*		*07/09/2022 22:48*	WG1892399
(S) 4-Bromofluorobenzene	*102*				*77.0-126*		*07/13/2022 04:14*	WG1893777
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*07/09/2022 22:48*	WG1892399
(S) 1,2-Dichloroethane-d4	*94.0*				*70.0-130*		*07/13/2022 04:14*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.103		0.0222	0.100	0.100	1	07/09/2022 10:11	WG1890390
C28-C36 Motor Oil Range	0.178	B	0.0118	0.100	0.100	1	07/09/2022 10:11	WG1890390
(S) o-Terphenyl	*107*				*52.0-156*		*07/09/2022 10:11*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.39	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-15 WG1891814: 7.39 at 22C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	765		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-15 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	84.8		0.379	1.00	1.00	1	07/16/2022 13:41	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 22:00	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.4*				*78.0-120*		*07/11/2022 22:00*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/13/2022 04:35	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 23:08	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 23:08	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 23:08	WG1892399
(S) Toluene-d8	*97.4*				*80.0-120*		*07/09/2022 23:08*	WG1892399
(S) Toluene-d8	*112*				*80.0-120*		*07/13/2022 04:35*	WG1893777
(S) 4-Bromofluorobenzene	*90.4*				*77.0-126*		*07/09/2022 23:08*	WG1892399
(S) 4-Bromofluorobenzene	*104*				*77.0-126*		*07/13/2022 04:35*	WG1893777
(S) 1,2-Dichloroethane-d4	*112*				*70.0-130*		*07/09/2022 23:08*	WG1892399
(S) 1,2-Dichloroethane-d4	*91.8*				*70.0-130*		*07/13/2022 04:35*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	U		0.0222	0.100	0.100	1	07/09/2022 10:37	WG1890390
C28-C36 Motor Oil Range	0.0714	B J	0.0118	0.100	0.100	1	07/09/2022 10:37	WG1890390
(S) o-Terphenyl	*103*				*52.0-156*		*07/09/2022 10:37*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.34	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-16 WG1891814: 7.34 at 21.2C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	774		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-16 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	51.3		0.379	1.00	1.00	1	07/16/2022 14:09	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 22:20	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*94.8*				*78.0-120*		*07/11/2022 22:20*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/13/2022 04:56	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 23:28	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 23:28	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 23:28	WG1892399
(S) Toluene-d8	*105*				*80.0-120*		*07/09/2022 23:28*	WG1892399
(S) Toluene-d8	*119*				*80.0-120*		*07/13/2022 04:56*	WG1893777
(S) 4-Bromofluorobenzene	*75.0*	J2			*77.0-126*		*07/09/2022 23:28*	WG1892399
(S) 4-Bromofluorobenzene	*112*				*77.0-126*		*07/13/2022 04:56*	WG1893777
(S) 1,2-Dichloroethane-d4	*122*				*70.0-130*		*07/09/2022 23:28*	WG1892399
(S) 1,2-Dichloroethane-d4	*93.9*				*70.0-130*		*07/13/2022 04:56*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0519	J	0.0222	0.100	0.100	1	07/09/2022 11:04	WG1890390
C28-C36 Motor Oil Range	0.0883	B J	0.0118	0.100	0.100	1	07/09/2022 11:04	WG1890390
(S) o-Terphenyl	*100*				*52.0-156*		*07/09/2022 11:04*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.39	T8	1	07/09/2022 10:00	WG1891817

Sample Narrative:
L1511254-17 WG1891817: 7.39 at 23.1C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	741		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-17 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	92.4		0.379	1.00	1.00	1	07/16/2022 14:19	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 22:41	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.4*				*78.0-120*		*07/11/2022 22:41*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.000169	J	0.0000941	0.00100	0.00100	1	07/13/2022 05:17	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 23:48	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 23:48	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/09/2022 23:48	WG1892399
(S) Toluene-d8	*95.4*				*80.0-120*		*07/09/2022 23:48*	WG1892399
(S) Toluene-d8	*111*				*80.0-120*		*07/13/2022 05:17*	WG1893777
(S) 4-Bromofluorobenzene	*83.4*				*77.0-126*		*07/09/2022 23:48*	WG1892399
(S) 4-Bromofluorobenzene	*99.8*				*77.0-126*		*07/13/2022 05:17*	WG1893777
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*07/09/2022 23:48*	WG1892399
(S) 1,2-Dichloroethane-d4	*92.3*				*70.0-130*		*07/13/2022 05:17*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0618	J	0.0222	0.100	0.100	1	07/09/2022 11:30	WG1890390
C28-C36 Motor Oil Range	0.0804	B J	0.0118	0.100	0.100	1	07/09/2022 11:30	WG1890390
(S) o-Terphenyl	*101*				*52.0-156*		*07/09/2022 11:30*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.30	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-18 WG1891814: 7.3 at 21.5C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	700		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-18 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	27.2		0.379	1.00	1.00	1	07/16/2022 14:28	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	0.100	1	07/11/2022 23:01	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*95.3*				*78.0-120*		*07/11/2022 23:01*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	0.00100	1	07/13/2022 05:38	WG1893777
Toluene	U		0.000278	0.00100	0.00100	1	07/10/2022 00:08	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/10/2022 00:08	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/10/2022 00:08	WG1892399
(S) Toluene-d8	*124*	J1			*80.0-120*		*07/10/2022 00:08*	WG1892399
(S) Toluene-d8	*109*				*80.0-120*		*07/13/2022 05:38*	WG1893777
(S) 4-Bromofluorobenzene	*109*				*77.0-126*		*07/10/2022 00:08*	WG1892399
(S) 4-Bromofluorobenzene	*103*				*77.0-126*		*07/13/2022 05:38*	WG1893777
(S) 1,2-Dichloroethane-d4	*120*				*70.0-130*		*07/10/2022 00:08*	WG1892399
(S) 1,2-Dichloroethane-d4	*93.5*				*70.0-130*		*07/13/2022 05:38*	WG1893777

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0523	J	0.0222	0.100	0.100	1	07/09/2022 11:56	WG1890390
C28-C36 Motor Oil Range	0.0634	B J	0.0118	0.100	0.100	1	07/09/2022 11:56	WG1890390
(S) o-Terphenyl	*100*				*52.0-156*		*07/09/2022 11:56*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	7.12	T8	1	07/08/2022 16:26	WG1891814

Sample Narrative:
L1511254-19 WG1891814: 7.12 at 21.5C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	807		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-19 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	47.4		0.379	1.00	1.00	1	07/16/2022 14:38	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.107		0.0314	0.100	0.100	1	07/11/2022 23:21	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*92.1*				*78.0-120*		*07/11/2022 23:21*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.00682		0.0000941	0.00100	0.00100	1	07/10/2022 00:28	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/10/2022 00:28	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/10/2022 00:28	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/10/2022 00:28	WG1892399
(S) Toluene-d8	*97.9*				*80.0-120*		*07/10/2022 00:28*	WG1892399
(S) 4-Bromofluorobenzene	*80.2*				*77.0-126*		*07/10/2022 00:28*	WG1892399
(S) 1,2-Dichloroethane-d4	*119*				*70.0-130*		*07/10/2022 00:28*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0317	J	0.0222	0.100	0.100	1	07/09/2022 12:22	WG1890390
C28-C36 Motor Oil Range	0.0404	B J	0.0118	0.100	0.100	1	07/09/2022 12:22	WG1890390
(S) o-Terphenyl	*101*				*52.0-156*		*07/09/2022 12:22*	WG1890390

Wet Chemistry by Method 9040C

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	su			date / time	
pH	6.94	T8	1	07/09/2022 10:00	WG1891817

Sample Narrative:
L1511254-20 WG1891817: 6.94 at 23.4C

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	937		10.0	10.0	1	07/12/2022 15:19	WG1893650

Sample Narrative:
L1511254-20 WG1893650: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	49.2		0.379	1.00	1.00	1	07/16/2022 14:47	WG1896124

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.368		0.0314	0.100	0.100	1	07/11/2022 23:42	WG1892839
(S) a,a,a-Trifluorotoluene(FID)	*93.2*				*78.0-120*		*07/11/2022 23:42*	WG1892839

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.0436		0.0000941	0.00100	0.00100	1	07/10/2022 00:48	WG1892399
Toluene	U		0.000278	0.00100	0.00100	1	07/10/2022 00:48	WG1892399
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/10/2022 00:48	WG1892399
Total Xylenes	U		0.000174	0.00300	0.00300	1	07/10/2022 00:48	WG1892399
(S) Toluene-d8	*99.9*				*80.0-120*		*07/10/2022 00:48*	WG1892399
(S) 4-Bromofluorobenzene	*95.3*				*77.0-126*		*07/10/2022 00:48*	WG1892399
(S) 1,2-Dichloroethane-d4	*111*				*70.0-130*		*07/10/2022 00:48*	WG1892399

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.770		0.0222	0.100	0.100	1	07/12/2022 23:41	WG1890390
C28-C36 Motor Oil Range	1.32		0.0118	0.100	0.100	1	07/12/2022 23:41	WG1890390
(S) o-Terphenyl	*107*				*52.0-156*		*07/12/2022 23:41*	WG1890390

L1510100-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1510100-02 07/08/22 13:00 • (DUP) R3812476-2 07/08/22 13:00

Analyte	Original Result su	DUP Result su	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
pH	4.48	4.48	1	0.000		1

Sample Narrative:
OS: 4.48 at 19.1C
DUP: 4.48 at 19.6C

L1511254-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1511254-10 07/08/22 13:00 • (DUP) R3812476-3 07/08/22 13:00

Analyte	Original Result su	DUP Result su	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
pH	7.00	6.99	1	0.143		1

Sample Narrative:
OS: 7 at 19.3C
DUP: 6.99 at 19C

Laboratory Control Sample (LCS)

(LCS) R3812476-1 07/08/22 13:00

Analyte	Spike Amount su	LCS Result su	LCS Rec. %	Rec. Limits %	LCS Qualifier
pH	10.0	9.93	99.3	99.0-101	

Sample Narrative:
LCS: 9.93 at 23.9C

L1510680-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1510680-01 07/08/22 15:00 • (DUP) R3812636-2 07/08/22 15:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	5.81	5.76	1	0.864		1

Sample Narrative:

OS: 5.81 at 20.2C

DUP: 5.76 at 20.4C

Laboratory Control Sample (LCS)

(LCS) R3812636-1 07/08/22 15:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.91	99.1	99.0-101	

Sample Narrative:

LCS: 9.91 at 24.3C

L1511788-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1511788-01 07/08/22 16:26 • (DUP) R3812662-2 07/08/22 16:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.75	6.75	1	0.000		1

Sample Narrative:

OS: 6.75 at 22.7C

DUP: 6.75 at 22.8C

L1511788-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1511788-04 07/08/22 16:26 • (DUP) R3812662-3 07/08/22 16:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.78	6.83	1	0.735		1

Sample Narrative:

OS: 6.78 at 21.9C

DUP: 6.83 at 22.6C

Laboratory Control Sample (LCS)

(LCS) R3812662-1 07/08/22 16:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.90	99.0	99.0-101	

Sample Narrative:

LCS: 9.9 at 24C

L1511998-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1511998-02 07/09/22 10:00 • (DUP) R3812780-3 07/09/22 10:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	7.14	7.20	1	0.837		1

Sample Narrative:
OS: 7.14 at 23.4C
DUP: 7.2 at 23.9C

Laboratory Control Sample (LCS)

(LCS) R3812780-1 07/09/22 10:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	su	su	%	%	
pH	10.0	9.92	99.2	99.0-101	

Sample Narrative:
LCS: 9.92 at 23.4C

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3813790-1 07/12/22 15:19

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1511254-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1511254-01 07/12/22 15:19 • (DUP) R3813790-3 07/12/22 15:19

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	774	776	1	0.258		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1511254-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1511254-20 07/12/22 15:19 • (DUP) R3813790-4 07/12/22 15:19

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	937	933	1	0.428		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3813790-2 07/12/22 15:19

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	268	277	103	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R3815752-1 07/16/22 10:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00

L1511254-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1511254-01 07/16/22 10:40 • (DUP) R3815752-3 07/16/22 10:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	143	142	1	0.175		15

L1511254-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1511254-20 07/16/22 14:47 • (DUP) R3815752-6 07/16/22 14:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	49.2	49.2	1	0.0262		15

Laboratory Control Sample (LCS)

(LCS) R3815752-2 07/16/22 10:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	39.3	98.1	80.0-120	

L1511254-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1511254-01 07/16/22 10:40 • (MS) R3815752-4 07/16/22 10:59 • (MSD) R3815752-5 07/16/22 11:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	143	185	185	84.9	84.8	1	80.0-120			0.0167	15

L1511254-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1511254-20 07/16/22 14:47 • (MS) R3815752-7 07/16/22 15:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	49.2	96.6	94.7	1	80.0-120	

Method Blank (MB)

(MB) R3813861-2 07/11/22 16:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*95.0*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3813861-1 07/11/22 15:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.68	103	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*109*	*78.0-120*	

L1511254-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1511254-01 07/11/22 16:49 • (MS) R3813861-3 07/12/22 00:02 • (MSD) R3813861-4 07/12/22 00:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	U	5.95	5.69	108	103	1	10.0-160			4.47	22
(S) a,a,a-Trifluorotoluene(FID)					*110*	*110*		*78.0-120*				

Method Blank (MB)

(MB) R3814190-3 07/13/22 04:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	0.0478	J	0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3814190-2 07/13/22 03:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.82	87.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*78.0-120*	

Method Blank (MB)

(MB) R3813731-3 07/09/22 18:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*93.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*88.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3813731-1 07/09/22 17:09 • (LCSD) R3813731-2 07/09/22 17:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00530	0.00559	106	112	70.0-123			5.33	20
Toluene	0.00500	0.00527	0.00520	105	104	79.0-120			1.34	20
Ethylbenzene	0.00500	0.00476	0.00486	95.2	97.2	79.0-123			2.08	20
Xylenes, Total	0.0150	0.0143	0.0148	95.3	98.7	79.0-123			3.44	20
(S) Toluene-d8				*94.1*	*94.6*	*80.0-120*				
(S) 4-Bromofluorobenzene				*87.9*	*88.4*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*105*	*104*	*70.0-130*				

Method Blank (MB)

(MB) R3814984-3 07/12/22 23:17

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*90.2*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3814984-1 07/12/22 21:52 • (LCSD) R3814984-2 07/12/22 22:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00501	0.00498	100	99.6	70.0-123			0.601	20
(S) Toluene-d8				*108*	*109*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*104*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*91.6*	*89.2*	*70.0-130*				

Method Blank (MB)

(MB) R3815844-4 07/15/22 15:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3815844-1 07/15/22 13:36 • (LCSD) R3815844-2 07/15/22 13:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00534	0.00513	107	103	70.0-123			4.01	20
(S) Toluene-d8				*102*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*103*	*106*	*70.0-130*				

Method Blank (MB)

(MB) R3813841-1 07/12/22 10:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	U		0.0222	0.100
C28-C36 Motor Oil Range	0.0212	J	0.0118	0.100
(S) o-Terphenyl	*101*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3813841-2 07/12/22 11:17 • (LCSD) R3813841-3 07/12/22 11:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1.50	1.79	1.74	119	116	50.0-150			2.83	20
(S) o-Terphenyl				*117*	*113*	*52.0-156*				

Method Blank (MB)

(MB) R3812436-1 07/08/22 09:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	U		0.0222	0.100
C28-C36 Motor Oil Range	0.0553	J	0.0118	0.100
(S) o-Terphenyl	*108*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3812436-2 07/08/22 09:35 • (LCSD) R3812436-3 07/08/22 10:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1.50	1.71	1.67	114	111	50.0-150			2.37	20
(S) o-Terphenyl				*112*	*109*	*52.0-156*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
T8	Sample(s) received past/too close to holding time expiration.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Kane Environmental Engineering, Inc.
2351 East Hwy 21
Lincoln, TX 78948

Billing Information:
Accounts Payable
2351 East Hwy 21
Lincoln, TX 78948

Pres Chk

Report to: **Russell Hamm**

Email To: alanjkane@comcast.net;rhammenviro@gmail.c

Project Description: **Hobbs Area Sampling**

City/State Collected: Buckeye, NM

Please Circle: PT (MT) CT ET

Phone: **918-693-4833**

Client Project # 22-215

Lab Project # **KANEBTX-HOBBS**

Collected by (print): Alan Kane

Site/Facility ID # Buckeye

P.O. #

Collected by (signature): Alan Kane

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 250mlHDPE-NoPres	DRONMLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	SPCON 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	pH (Conn 250 ml)				Remarks	Sample # (lab only)
TW-11	grab	GW		6/30/22	7:30	8	✓	✓	✓	✓	✓	✓					-01
MW-12		GW			7:50												-02
MW-26		GW			8:15												-03
MW-25		GW			8:30												-04
MW-20		GW			8:50												-05
MW-24		GW			9:10												-06
MW-13		GW			12:45												-07
TW-13		GW			11:10												-08
MW-18		GW			11:35												-09
MW-14		GW			12:30												-10

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 511254

Table #

Acctnum: **KANEBTX**
Template: **T211534**
Prelogin: **P932919**
PM: **134 - Mark W. Beasley**
PB:

Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: ✓ Y N
Bottles arrive intact: ✓ Y N
Correct bottles used: ✓ Y N
Sufficient volume sent: ✓ Y N
If Applicable
VOA Zero Headspace: ✓ Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: ✓ Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes (No) HCL / MeoH TBR
Alan Kane	7/1/22	9:25am	C B	0
C B	7/1/22	1700	SWA	Temp: 3.2+0=3.2 °C Bottles Received: 160
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Hold: / Condition: NCF / OK
			William Stubbs	Date: 7-2 Time: 9:00

Company Name/Address:
Kane Environmental Engineering, Inc.
2351 East Hwy 21
Lincoln, TX 78948

Billing Information:
Accounts Payable
2351 East Hwy 21
Lincoln, TX 78948

Pres Chk

Report to: Russell Hamm

Email To: alanjkane@comcast.net;rhammenviro@gmail.c

Project Description: Hobbs Area Sampling

City/State Collected: Buckeye NM

Please Circle: PT (MT) CT ET

Phone: 918-693-4833

Client Project # 22-215

Lab Project # KANEBTX-HOBBS

Collected by (print): Alan Kane

Site/Facility ID # Buckeye

P.O. #

Collected by (signature): Alan Kane

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 250mlHDPE-NoPres	DRONMLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	SPCON 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	pH (from 250 ml)
MW-4	grab	GW		6/30/22	1:00	8	✓	✓	✓	✓	✓	✓
MW-17		GW			1:25							
MW-16		GW			9:50							
MW-22		GW			9:35							
MW-5		GW			10:35							
MW-15		GW			10:15							
MW-21		GW			10:55							
MW-7		GW			1:45							
MW-6		GW			2:00							
MW-1		GW			2:30							

Remarks | Sample # (lab only)
MW-4 — 11
MW-17 — 12
MW-16 — 13
MW-22 — 14
MW-5 — 15
MW-15 — 16
MW-21 — 17
MW-7 — 18
MW-6 — 19
MW-1 — 20

Chain of Custody Page ___ of ___

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1511294
Table #
Acctnum: KANEBTX
Template: T211534
Prelogin: P932919
PM: 134 - Mark W. Beasley
PB:
Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓Y N
COC Signed/Accurate: ✓Y N
Bottles arrive intact: ✓Y N
Correct bottles used: ✓Y N
Sufficient volume sent: ✓Y N
If Applicable
VOA Zero Headspace: ✓Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: ✓Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	If preservation required by Login: Date/Time
Alan Kane	7/1/22	9:25AM	C B	0	
C B	7/1/22	MW	SWA	Temp: °C 3.2+0=3.2 Bottles Received: 160	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7-2 Time: 9:00	Hold: Condition: NCF / (OK)
			William Stirek		

ANALYTICAL REPORT

July 20, 2022

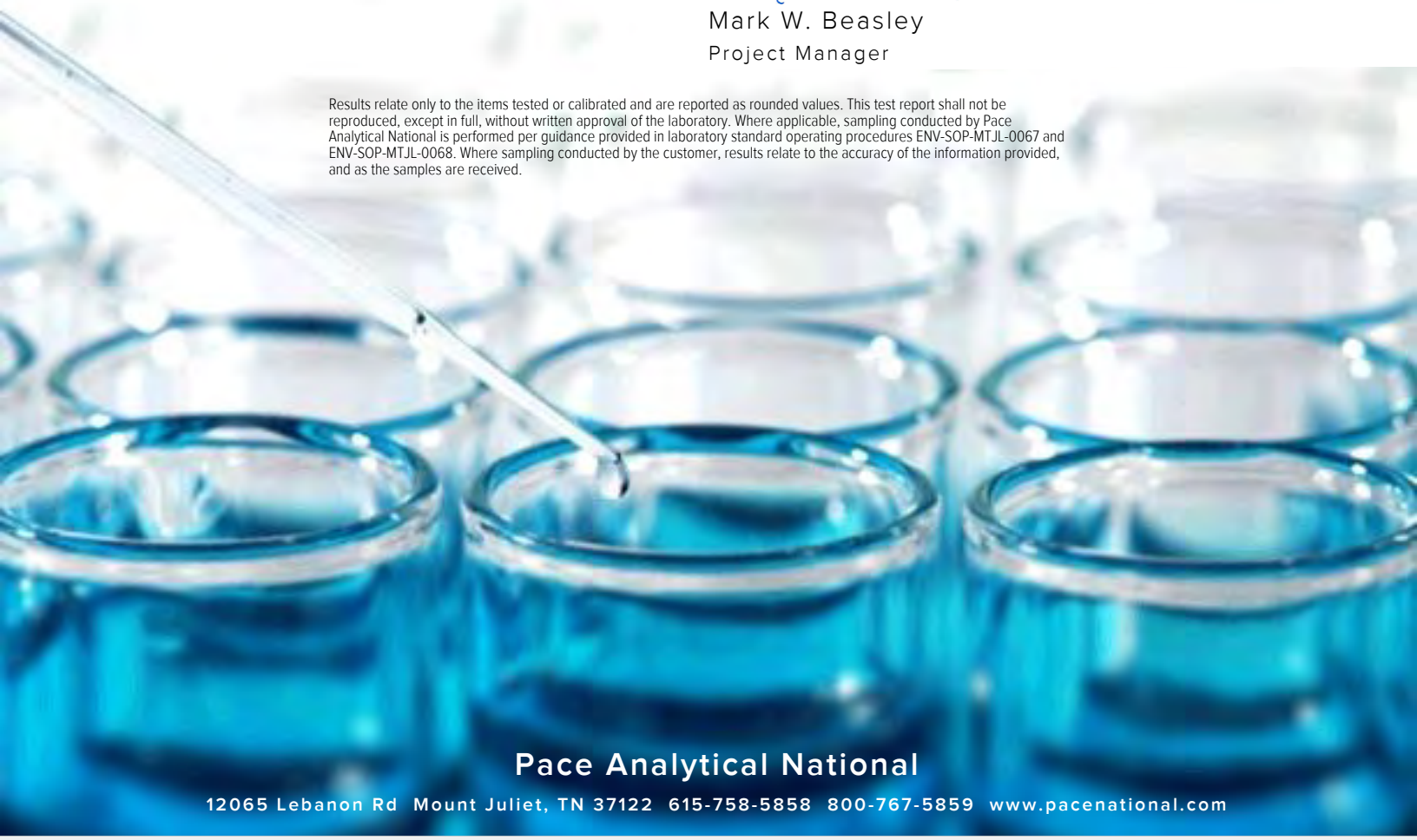
Kane Environmental Engineering, Inc.

Sample Delivery Group:	L1511255
Samples Received:	07/02/2022
Project Number:	22-215
Description:	Hobbs Area Sampling
Site:	BUCKEYE
Report To:	Russell Hamm 2351 East Hwy 21 Lincoln, TX 78948

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

MW-2 L1511255-01 GW

Collected by	Collected date/time	Received date/time
Alan Kane	06/30/22 14:15	07/02/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9050A	WG1897150	1	07/20/22 05:54	07/20/22 05:54	ARD	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG1896706	1	07/18/22 16:00	07/18/22 16:00	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1893415	1	07/12/22 05:16	07/12/22 05:16	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1892477	1	07/09/22 18:32	07/09/22 18:32	JCP	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1890390	1	07/07/22 14:27	07/11/22 23:45	DMG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Wet Chemistry by Method 9050A

Analyte	Result	Qualifier	Unadj. MQL	MQL	Dilution	Analysis	Batch
	umhos/cm		umhos/cm	umhos/cm		date / time	
Specific Conductance	888		10.0	10.0	1	07/20/2022 05:54	WG1897150

Sample Narrative:
L1511255-01 WG1897150: at 25C

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Chloride	98.4		0.379	1.00	1.00	1	07/18/2022 16:00	WG1896706

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	0.405		0.0314	0.100	0.100	1	07/12/2022 05:16	WG1893415
(S) a,a,a-Trifluorotoluene(FID)	*106*				*78.0-120*		*07/12/2022 05:16*	WG1893415

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.0176		0.0000941	0.00100	0.00100	1	07/09/2022 18:32	WG1892477
Toluene	U		0.000278	0.00100	0.00100	1	07/09/2022 18:32	WG1892477
Ethylbenzene	U		0.000137	0.00100	0.00100	1	07/09/2022 18:32	WG1892477
Total Xylenes	0.000300	J	0.000174	0.00300	0.00300	1	07/09/2022 18:32	WG1892477
(S) Toluene-d8	*115*				*80.0-120*		*07/09/2022 18:32*	WG1892477
(S) 4-Bromofluorobenzene	*102*				*77.0-126*		*07/09/2022 18:32*	WG1892477
(S) 1,2-Dichloroethane-d4	*72.4*				*70.0-130*		*07/09/2022 18:32*	WG1892477

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
C10-C28 Diesel Range	0.0738	J	0.0222	0.100	0.100	1	07/11/2022 23:45	WG1890390
C28-C36 Motor Oil Range	U		0.0118	0.100	0.100	1	07/11/2022 23:45	WG1890390
(S) o-Terphenyl	*95.5*				*52.0-156*		*07/11/2022 23:45*	WG1890390

Method Blank (MB)

(MB) R3816929-1 07/20/22 05:54

Analyte	MB Result umhos/cm	MB Qualifier	MB MDL umhos/cm	MB RDL umhos/cm
Specific Conductance	U		10.0	10.0

Sample Narrative:
BLANK: at 25C

L1510334-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1510334-04 07/20/22 05:54 • (DUP) R3816929-3 07/20/22 05:54

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	ND	ND	1	0.000		20

Sample Narrative:
OS: at 25C
DUP: at 25C

L1514753-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1514753-01 07/20/22 05:54 • (DUP) R3816929-4 07/20/22 05:54

Analyte	Original Result umhos/cm	DUP Result umhos/cm	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Specific Conductance	7140	7180	1	0.559		20

Sample Narrative:
OS: at 25C
DUP: at 25C

Laboratory Control Sample (LCS)

(LCS) R3816929-2 07/20/22 05:54

Analyte	Spike Amount umhos/cm	LCS Result umhos/cm	LCS Rec. %	Rec. Limits %	LCS Qualifier
Specific Conductance	268	277	103	85.0-115	

Sample Narrative:
LCS: at 25C

Method Blank (MB)

(MB) R3816566-1 07/18/22 09:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00

L1511286-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1511286-03 07/18/22 12:12 • (DUP) R3816566-3 07/18/22 12:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	15700	15100	100	4.06		15

L1510725-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1510725-01 07/18/22 13:06 • (DUP) R3816566-6 07/18/22 13:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	42.2	41.6	1	1.51		15

Laboratory Control Sample (LCS)

(LCS) R3816566-2 07/18/22 09:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.8	102	80.0-120	

L1511286-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1511286-03 07/18/22 12:12 • (MS) R3816566-4 07/18/22 12:39 • (MSD) R3816566-5 07/18/22 12:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	50.0	15700	15700	15200	50.1	0.000	100	80.0-120	V	V	3.18	15

L1510725-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1510725-01 07/18/22 13:06 • (MS) R3816566-7 07/18/22 13:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	50.0	42.2	95.2	106	1	80.0-120	

Method Blank (MB)

(MB) R3813764-2 07/12/22 04:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*114*			*78.0-120*

Laboratory Control Sample (LCS)

(LCS) R3813764-1 07/12/22 04:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.51	100	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*78.0-120*	

Method Blank (MB)

(MB) R3813347-3 07/09/22 17:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Toluene	U		0.000278	0.00100
Ethylbenzene	U		0.000137	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*112*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*76.2*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3813347-1 07/09/22 15:58 • (LCSD) R3813347-2 07/09/22 16:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00438	0.00449	87.6	89.8	70.0-123			2.48	20
Toluene	0.00500	0.00469	0.00471	93.8	94.2	79.0-120			0.426	20
Ethylbenzene	0.00500	0.00444	0.00441	88.8	88.2	79.0-123			0.678	20
Xylenes, Total	0.0150	0.0138	0.0134	92.0	89.3	79.0-123			2.94	20
(S) Toluene-d8				*109*	*106*	*80.0-120*				
(S) 4-Bromofluorobenzene				*104*	*106*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*74.6*	*86.3*	*70.0-130*				

Method Blank (MB)

(MB) R3812436-1 07/08/22 09:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
C10-C28 Diesel Range	U		0.0222	0.100
C28-C36 Motor Oil Range	0.0553	J	0.0118	0.100
(S) o-Terphenyl	*108*			*52.0-156*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3812436-2 07/08/22 09:35 • (LCSD) R3812436-3 07/08/22 10:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	1.50	1.71	1.67	114	111	50.0-150			2.37	20
(S) o-Terphenyl				*112*	*109*	*52.0-156*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
ND	Not detected at the Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Kane Environmental Engineering, Inc.

2351 East Hwy 21
Lincoln, TX 78948

Billing Information:
Accounts Payable
2351 East Hwy 21
Lincoln, TX 78948

Pres Chk

Report to: **Russell Hamm**

Email To: alanjkane@comcast.net;rhammenviro@gmail.c

Project Description: **Hobbs Area Sampling**

City/State Collected: Buckeye, NM

Please Circle: PT MT CT ET

Phone: **918-693-4833**

Client Project # 22-215

Lab Project # **KANEBTX-HOBBS**

Collected by (print): Alan Kane

Site/Facility ID # Buckeye

P.O. #

Collected by (signature): Alan Kane

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ✓ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 250mlHDPE-NoPres	DRONMLVI 40mlAmb-HCl-BT	GRO 40mlAmb HCl	SPCON 250mlHDPE-NoPres	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-2	G	GW		6/30/22	2:15	8	✓	✓	✓	✓	✓		-01
		GW											
		GW											
		GW											
		GW											
		GW											

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 191255
A178

Acctnum: **KANEBTX**
Template: **T211534**
Prelogin: **P932919**
PM: **134 - Mark W. Beasley**
PB:

Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: ✓ Y N
Bottles arrive intact: ✓ Y N
Correct bottles used: ✓ Y N
Sufficient volume sent: ✓ Y N
If Applicable
VOA Zero Headspace: ✓ Y N
Preservation Correct/Checked: ✓ Y N
RAD Screen <0.5 mR/hr: ✓ Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Alan Kane	7/1/22	9:25AM		0	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	7/1/22	1700	SWA	2.4+0=2.4 8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			William Stiles	7-2 9:00	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 292692

CONDITIONS

Operator:	OGRID:
MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	330132
	Action Number: 292692
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	2023 Annual Groundwater Monitoring Report: Content is Satisfactory 1. Continue LNAPL recovery for both systems as regularly scheduled. 2. Continue to run SVE system and conduct air sampling on a quarterly basis using 8015B EPA method. 3. Continue to conduct groundwater sampling on a semiannual basis as prescribed. 4. Submit the next annual report for groundwater by April 1, 2025. If an extension is required to submit report, please notify and submit request to NMOCD.	3/22/2024